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MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JUNE, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

*And its causes throughout the State, and especially in the Towns of more than 5,000 inhabitants, for the Month of June, 1887.*

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years.	Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,.....	40,000	50 15.	14	28.																						
Bristol,.....	6,500	12 22.1	3	25.																						
Danbury,.....	17,500	17 11.7	4	23.1																						
Derby,.....	15,500	21 16.2	8	38.																						
Greenwich,.....	8,000	9 13.5	2	22.2																						
Groton,.....	5,151	5 11.6	1	20.																						
Hartford,.....	50,000	81.4 16.3	37	51.4																						
Killingly,.....	7,000	10 17.1	2	20.																						
Manchester,.....	7,200	2 3.3	1	50.																						
Meriden,.....	22,000	24 15.1	12	50.																						
Middletown,.....	12,000	24 15.	3	20.																						
Naugauck,*.....	6,000	.....	.....	.....																						
New Britain,.....	18,000	16 10.6	5	31.2																						
New Haven,.....	80,000	112.4 14.1	41	50.6																						
New London,.....	13,000	16 12.8	6	37.5																						
Norwalk,.....	10,000	10 14.8	7	43.7																						
Norwich,.....	25,800	27 12.9	11	43.7																						
Puncheon,.....	2,800	7 25.0	2	50.																						
Southington,.....	4,800	4 12.8	4	50.																						
Stamford,.....	14,000	21 18.	7	33.3																						
Stonington,.....	8,500	8 12.8	1	12.5																						
Stratford,.....	7,500	10 21.4	1	10.																						
Vernon,.....	8,000	18 27.	4	22.2																						
Wallingford,.....	5,500	3 6.5	.....	.....																						
Waterbury,.....	30,000	49 16.6	27	55.1																						
Winchester,.....	5,050	6 12.7	1	16.6																						
Windham,.....	10,000	6 7.2	1	16.6																						
Total of twenty-six of the above towns reporting,.....	441,400	573 15.5	205	35.8																						
Ninety-seven other towns of less than 5,000 inhabitants report the following mortality {	217,818	244 13.4	37	15.																						
Total reported from 123 towns,.....	659,218	817 14.8	242	29.3																						
Total estimated population of State,.....	715,400	.....	.....	.....																						

\* No report by reason of severe illness of Registrar.

† The Mortality in Public Institutions of the State were: in Hartford, 13; in Middletown, 7; and in New Haven, 14. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following Towns are reported as having no deaths in June, to wit: Bethlechem, Beacon Falls, Bolton, Brooklyn, Burlington, Chaplin, Clinton, Colebrook, Columbia, Eastford, East Haven, Easton, Farmington, Hartland, Hebron, Kent, Killingworth, Lebanon, Marlborough, Morris, New Fairfield, Old Saybrook, Plainville, Prospect, Redding, Rocky Hill, Roxbury, Salem, Scotland, Union, Warren, and Westport—32.

The Registrars of the following towns have made no report: Bloomfield, Chester, East Granby, Essex, Lisbon, Middlebury, North Canaan, North Stonington, Stafford, Westbrook, and Woodbridge.—11.



# REMARKS.

In addition to the above reports of Mortality, this office is in receipt of 20 other reports from Sanitary Correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Ashford**—Malarial and bilious disorders.—*Dr. Simmons.*

**Avon**—Mild malarial disorders—1 case of Typhoid Fever, and among children Diarrhœas.—*Dr. Alcott.*

**Bolton**—An extensive run of Measles.—*Dr. Sumner.*

**Bridgeport**—No disease generally prevailing.—*Dr. Worden.*

**Durham**—An increase of Malarial Fever, tertian type. Six cases of Diphtheria, 2 fatal.—They occurred in different parts of the town, and every victim had attended Barnum's show a week or two before taken sick.—*Dr. Mathewson.*

**East Haddam**—Beside the fag end of an epidemic of Whooping Cough, there are some hepatic and malarial troubles.—*Dr. Bell.*

**Griswold**—Three primary cases of Intermittent Fever occurred in Jewett City. There were other cases among previous sufferers. Without doubt the conditions now exist here for the development of Malaria. It appeared most prominently during the dry period from the 15th to the 24th of June. The days were hot and the nights cool. Frost was reported on two nights, and the temperature was above 80° in the day. In addition Measles is still epidemic; while Whooping Cough, Diphtheria and Diarrhœas prevail among the children.—*Dr. Jennings.*

**Haddam**—One of the healthiest towns in the State. Very little sickness—no prevailing disease.—*Dr. Hazen.*

**Hartford**—Diarrhœal diseases prevail among the children. 18 Deaths against 3 in June of last year. The cases are not restricted to one locality, and no local causes have been discovered.—*Dr. Knight.*

**Harwinton**—Our town is very healthy. The following is the toll of deaths in the month of June since 1790: In that June 1, in 1800 2, 1824 1, 1834 3, 1848 3, 1860 2, 1870 2, and in 1886 1. Only 15 deaths in all the months of June in 97 years.—*N. A. Wilson, Clerk of Board of Health.*

**Meriden**—An epidemic of Measles at the State Reform School—40 cases during the month. In town we have our quota of Cholera Morbus, Diarrhœa, Dysentery, and Malarial Fevers. Five cases of Scarlet Fever were reported to the Health Officer.—*Dr. Nickerson.*

**Middlefield**—No sickness to report.—*Dr. Mathewson.*

**New Haven**—About an average state of health for June. Less Diarrhœal troubles than in other cities in the State.—*Health Officer.*

**Newtown**—A few cases of bowel troubles.—*Dr. Smith.*

**Ridgefield**—Somewhat more sickness than usual but no prevailing disease. Some Diarrhœas and a few cases of Measles.—*Dr. Todd.*

**Roxbury**—The general health is good, with the exception of Malaria—a few mild cases.—*Dr. Pons.*

**Salem**—It is always healthy here in summer. There were several cases of Cholera Morbus from eating decayed strawberries. The 21st, 22d and 23d were rainy days, and the strawberries partially decayed on the vines, and mixed with the sound fruit caused the sickness. At least there were no cases before, nor after these cases were disposed of.—*Dr. Congdon.*

**Tolland**—No prevailing Disease. A good many accidents.—*Dr. Clark.*

**Waugrean**—Prevailing diseases, Influenza and Typhoid Fever.—*Dr. Judson.*

**Westport**—Never healthier.—*Dr. Day.*

**Wethersfield**—Month of June exceptionally healthy.—*Dr. Warner.*

The above Reports of Mortality from 155 towns in the State, and the reports from our Sanitary Correspondents in relation to the sickness most prevalent in twenty different places widely scattered through Connecticut gives a very just and correct idea of the general health of the Commonwealth. These reports establish the fact that nowhere is there any fatal epidemic prevailing. Of the Zymotic class enumerated (and those which are most frequent and fatal are enumerated in the table) there were only 161 deaths in the whole State. They occurred in the order of frequency as follows:—

**Diarrhœal Diseases**—The prevailing diseases of summer, numbered sixty-nine, more than one-third of the whole Zymotic class—of these, as usual, the great majority were infants.

**Diphtheria and Croup**—These diseases are grouped together because of the many cases in which a diagnosis is uncertain, and the unsettled question among pathologists as to their identity. The fatal results were 26, which may be regarded as small, in view of previous fatality from these causes.

**Cerebro-Spinal Fever**—This ranks third in frequency among the Zymotic class. And the number of deaths viz. 19, is probably exceptionally large.

**Scarlet Fever**—The deaths from this disease numbered eleven throughout the State, and indicates that the prevalence of it is diminishing.

**Measles**—Has been prevailing in many different localities for several months, usually in a mild form, but it claimed 11 victims in June. Considering the wide-spread existence of this disease, it is not a large mortality.

**Typhoid Fever**—The whole State of Connecticut suffered a loss of only eight by death from this disease. This is in marked contrast with former times when any considerable town would often lose as many in a month.

**Erysipelas**—Caused seven deaths.

**Malarial Fevers**—were fatal in five instances.

**Whooping Cough**—Had a mortality of four.

**Small Pox**—Has not proved fatal at any place in the State. One case occurred in Norwich which has recovered. Owing to the prompt vigilance of the local Board of Health its spread was prevented.

The issue of this Bulletin is the first practical result of the operation of the new law relating to registration.

Several communications have been received from Registrars in different parts of the State expressing approbation of the law, and its successful working. And many enquiries have been made in regard to minor questions of detail respecting its requirements. No expressions of disapproval have yet been received. It could not be expected that it will at once run smoothly and without any friction or halting; but as a first attempt to put it in practice, there is abundant reason to consider it satisfactory, and every encouragement to believe that in a brief time, it will prove all that was expected. Only 12 Registrars of the 167 in Connecticut have failed to comply with the law and send their tabulated reports. Some of them, it is true, did not report as early as the law requires, and this Bulletin has been delayed on that account.

It is much to be desired that reports from ALL the towns may be received as soon after the 7th day of each month as the mails will bring them, so that the Bulletin may be promptly prepared and issued.

C. A. LINDSLEY, M.D., Secretary of State Board of Health.

NEW HAVEN, June 15th, 1887.



# METEOROLOGICAL REPORT FOR THE MONTH OF JUNE, 1887.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

J. H. SHERMAN, SERG'T SIG. CORPS, U. S. A., OBSERVER.

BAROMETER.		TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRE- CIPITATION.*		CHARACTER OF WEATHER.			Average cloud- iness, as repre- sented by shad- ing locality.									
DATE.	Daily Mean.	7 A. M.		3 P. M.		10 P. M.		Range.	Minimum.	Maximum.	7 A. M.		3 P. M.		10 P. M.		Max. Vel. and Direction.	Val.		Direction.								
		Daily Mean.	7 A. M.	3 P. M.	10 P. M.	Daily Mean.	7 A. M.				3 P. M.	10 P. M.	Daily Mean.	7 A. M.	3 P. M.	10 P. M.					Daily Mean.	7 A. M.	3 P. M.	10 P. M.				
1	30.10	55.	64.	66.	60.3	50.6	67.	90.3	97	81	93	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
2	29.91	61.	66.	61.	62.3	50.5	68.2	90.3	97	81	93	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
3	29.75	59.	71.	66.	64.	72.7	57.2	75.3	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
4	29.97	64.	66.	57.	62.3	52.6	74.8	70.	70	76	70	76	70	76	70	76	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
5	30.25	55.	60.	56.	57.	62.6	51.4	73.3	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
6	30.21	56.	64.	58.	59.3	50.8	64.5	74.7	82	57	69	62.7	73.3	70	76	70	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
7	30.04	58.	64.	61.	61.	61.6	52.	73.3	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
8	29.87	63.	66.	63.	64.	69.3	59.	88.3	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
9	29.71	67.	80.	66.	63.	69.7	58.2	85.3	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
10	30.07	59.	63.	54.	58.7	60.4	57.3	79.7	80.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
11	30.30	64.	64.	54.	57.3	69.2	47.1	82.7	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
12	30.18	56.	69.	59.	61.3	71.7	44.3	82.7	90.3	97	81	93	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
13	29.93	64.	82.	73.	73.	86.9	49.8	37.4	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
14	30.09	70.	74.	57.	60.	77.5	55.9	47.7	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
15	30.20	58.	66.	56.	60.	70.5	47.7	22.8	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
16	29.88	58.	74.	66.	66.	74.5	51.2	23.3	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
17	29.69	76.	76.	66.	73.7	84.2	65.4	18.8	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
18	29.71	66.	66.	63.	65.	73.7	61.	12.7	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
19	29.78	64.	70.	61.	65.	71.9	57.8	14.1	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
20	29.90	62.	68.	67.	66.	78.7	60.4	18.3	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
21	29.89	64.	70.	61.	64.7	69.7	58.8	10.9	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
22	29.78	67.	69.	66.	67.3	62.	62.	14.2	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
23	29.83	68.	66.	65.	66.3	68.7	61.1	4.6	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
24	29.93	65.	78.	66.	69.7	79.8	61.8	18.0	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
25	30.16	62.	74.	64.	66.7	75.	59.6	15.4	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
26	30.24	62.	70.	64.	65.3	76.7	54.6	22.1	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
27	30.27	63.	74.	65.	67.3	76.3	50.5	19.8	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
28	30.25	64.	77.	68.	69.7	79.3	59.5	23.4	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
29	30.20	68.	83.	72.	74.3	84.	58.8	25.2	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
30	30.13	70.	88.	76.	78.	90.2	61.1	26.1	82.7	90.3	97	81	93	93	81	90.3	N E	6	N E	19	132	Rain.	Cloudy.	7 A. M.	3 P. M.	10 P. M.	Clear.	
Month	30.07	62.6	70.9	63.	65.5	56.1	74.4	18.3	78.	63.6	80.2	73.9	5.8	S	7.6	4.8	141.1	N E	12.3	5.6	Total.	5.02	Clear.	Clear.	Clear.	Clear.	Clear.	Clear.

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
		Prevailing direction, South.	Mean hourly velocity, 5.9 m.	Total number of days on which 41 in. or more precipitation occurred, 11.	* Greatest 24 hour precipitation, (inches and tenths), 2.67.	1873--67.1 deg.	1884--66.8 "	1873--2.07	1883--1.83
Monthly Mean, 30.07 inches.	Monthly Mean, 65.5 degrees.								
Highest, 30.27 in.; Date, 11th.	Highest, 90.2 deg.; Date, 10th.								
Lowest, 29.60 in.; Date, 17th.	Lowest, 44.3 deg.; Date, 12th.								
Monthly range, 0.69.	Absolute range, 45.9 degrees.								
	Greatest daily range, 37.1 deg.; Date, 13th.								
	Least daily range, 4.6 deg.; Date, 23d.								
	Mean daily range, 18.3 degrees.								

Monthly mean humidity, 73.9 per cent. Monthly mean dew point, 56.2. Number of clear days, 7. Number of cloudy days, 11.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet;  
 Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A dash (—) in rainfall column indicates precipitation too small to measure. †† Humidity relative, saturation being 100. ‡‡ Maximum velocity in any hour from 10 P. M. to 10 P. M.



VOL. I.

No. 2.



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# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of July, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,.....	40,000	96	29.4	71	72.4	---	1	---	---	---	---	---	---	2	---	59	3	6	1	2	13	1	3	10	4
Bristol,.....	6,500	19	35.	12	63.1	---	---	---	---	5	1	---	---	---	---	4	1	---	---	---	---	3	1	3	---
Danbury,.....	17,500	47	32.2	26	55.3	1	1	---	2	---	---	---	---	---	---	10	2	3	---	---	6	2	5	1	
Derby,.....	15,500	58	44.2	36	63.7	---	---	---	2	5	1	---	---	---	---	6	4	4	---	---	2	2	2	---	
Enfield,.....	7,000	12	20.5	5	41.7	---	---	---	---	---	---	---	---	---	---	5	2	---	---	---	---	---	---	---	
Greenwich,.....	8,000	25	37.5	14	56.	---	---	---	---	---	---	---	---	---	---	10	1	1	---	---	6	1	1	---	
Groton,.....	5,450	7	16.3	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford,.....	59,000	145*	36.0	70	52.4	2	2	---	---	2	---	---	1	1	50	4	10	3	1	20	5	11	34	5	
Killingly,.....	7,000	11	18.3	4	35.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middlebury,.....	22,600	11	18.3	5	48.4	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester,.....	45	35	25	58.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middletown,.....	12,000	34	28.3	11	35.4	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Naugatuck,.....	6,000	11	35.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain,.....	18,000	36	24.	22	61.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Haven,.....	80,000	203*	27.5	113	62.	4	4	---	---	1	---	---	1	3	74	5	12	3	7	23	5	5	52	5	
New London,.....	13,000	27	24.9	9	32.3	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwalk,.....	16,000	38	22.2	21	52.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwich,.....	25,000	49	23.2	24	45.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Putnam,.....	6,800	15	26.4	9	60.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Southington,.....	5,500	5	10.9	2	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford,.....	14,000	47	40.2	31	65.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington,.....	7,500	20	32.	4	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stratford,.....	5,600	21*	30.	8	38.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon,.....	8,000	20	30.	9	45.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford,.....	5,500	8	17.4	3	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury,.....	30,000	131	53.6	52	38.1	2	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Winchester,.....	5,650	8	16.	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham,.....	10,000	18	21.6	7	38.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of twenty-seven of the above towns reporting,.....	454,400	1159	31.2	603	51.6	12	7	8	22	6	1	9	14	3	396	89	82	14	14	159	50	51	222	41	
One hundred and five other towns of less than 5,000 inhabitants report the following mortality:.....	224,622	374	19.9	122	32.6	1	1	4	3	2	3	12	22	6	474	116	116	19	19	204	80	32	89	13	
Total reported from 132 towns,.....	679,022	1533	27.	725	47.2	13	8	12	26	9	3	12	22	6	474	116	116	19	19	204	80	83	311	54	
Population of towns in which were no deaths, and of towns not reporting,.....	36,397	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total estimated population of State,.....	715,329	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

\* The Mortality in Public Institutions of the State were: in Hartford, 23; in Middletown, 3; in New Haven, 21; and in Stratford 7. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in July: Andover, Bolton, Brookfield, Chaplin, Chatham, Chester, Columbia, Coventry, East Granby, Eastford, East Lyme, Franklin, Goshen, Hartland, Ledyard, Lisbon, Litchfield, Mansfield, Monroe, Middlebury, Morris, New Fairfield, Norfolk, Norwich, Willington, Wilton, and Wolcott—27.

The Registrars of the following towns have made no report for July: Naugatuck, Bloomfield, Essex, North Stonington, Westbrook, West Hartford, and Woodbridge.—7. All these Registrars, except West Hartford, failed also to report for June, as the law requires.



# REMARKS.

In addition to the above reports of Mortality, this office is in receipt of 27 other reports from Sanitary Correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Ashford.**—One death by lightning. No Dysentery. No Cholera Infantum.—*Dr. Simmons.*

**Bethel.**—Nothing of importance to report. Diarrhœas prevalent among children, but none fatal.—*Dr. Barker.*

**Bolton.**—Measles epidemic; none fatal. The usual summer complaints.—*Dr. Sumner.*

**Bridgeport.**—More sickness than usual. The protracted heated term seems to have affected adults almost as much as infants, though not so fatally. Cholera Morbus and Diarrhœa have been unusually frequent.—*Dr. Wordin.*

**Burlington.**—Many cases Cholera Infantum, some fatal.—*Dr. Lewis.*

**Canton.**—More sickness than for many years. Chiefly bowel complaints. Cholera Infantum, Cholera Morbus, Dysentery. Also 2 cases of Typhoid Fever.—*Dr. Lewis.*

**Chester.**—Diarrhœa and Cholera Morbus, also Malarial Chills, but nothing fatal. The town is very healthy considering the heat and moisture.—*Dr. Turner.*

**Griswold.**—Diarrhœa affecting both adults and infants. The latter not confined to bottle fed babies.—*Dr. Jennings.*

**Haddam.**—Sickness less than usual for July. Summer Complaints, Malarial troubles, and one case of Typhoid Fever.—*Dr. Hazen.*

**Hartford.**—An increase of Diarrhœas, particularly among children.—*Dr. Knight.*

**Madison.**—Diarrhœa and Malaria, but moderately.—*Dr. Webb.*

**Manchester.**—An unusual prevalence of intestinal troubles both in adults and children. Malarial troubles to about the usual extent.—*Dr. Griswold.*

**Meriden.**—Cholera Morbus, Dysentery, Infantile Diarrhœa and Malarial Fevers intensified by the excessive and prolonged hot term.—*Dr. Nickerson.*

**New Hartford.**—Six or seven cases of Dysentery, in one locality, attributed to bad water supply. Many cases of Typhoid Fever, though but few deaths. Much Infantile Diarrhœa.—*Dr. Burwell.*

**Norwalk.**—An increase of Intermittents, Periodic Neuralgies, etc., Gastro Intestinal Catarrhs and a few cases of Dysentery.—*Dr. Gregory.*

**Newtown.**—Bowel troubles, including some cases of Dysentery.—*Dr. Smith.*

**Norwich.**—Diarrhœa and Cholera Infantum, with an occasional case of Dysentery.—*Dr. Paddock.*

**Ridgefield.**—Intestinal disorders, due to the unusual temperature and humidity.—*Dr. Todd.*

**Roxbury.**—Bowel complaints and along Shepaug River considerable Malaria.—*Dr. Pons.*

**Salem.**—Cholera Morbus in mild form.—*Dr. Congdon.*

**Suffield.**—Whooping Cough still rampant, but not fatal. Cases of Cholera Morbus, Diarrhœa and Dysentery have been numerous.—*Dr. Mason.*

**Tolland.**—Measles epidemic. Also some Typhoid Fever and Diarrhœa.—*Dr. Clark.*

**Wauregan.**—Diarrhœa; nothing else.—*Dr. Judson.*

**Watertown.**—Not very sickly. Some Diarrhœa and Dysentery, not severe.—*Dr. Munger.*

**Wethersfield.**—Less Malaria and more intestinal disorders, with some well marked cases of Dysentery. In the State prison a very considerable outbreak of Dysentery. The cases mostly yielded promptly to treatment.—*Dr. Warner.*

**Westport.**—Cholera Morbus of unusual severity, Dysentery, Cholera Infantum and Malaria.—*Dr. Day.*

The above reports of Mortality from 160 towns in the State and the reports of our Sanitary Correspondents in relation to sickness, afford the means of a very just estimate of the public health.

From every quarter of the State the reports of the great prevalence of intestinal disorders show how intimately they are associated with a high temperature. The report of no mortality in New London from infantile Diarrhœa is almost the only exception, and is so extraordinary as to excite the suspicion of some error in the report.

Another fact is noticeable, that is, how much larger the death rates are in the large towns, than in the small ones. The annual death rate of the towns of 5000 people and upwards was 31.2 while of the towns of less population it was only 19.9. The effects of the excessive extreme of heat and humidity upon infantile life is still more marked upon the residents of the large towns, as compared with those of the rural places. In the former there were in July 88.3 deaths from Infantile Diarrhœa to every 10,000 of the living, in the large towns and cities, while in the country and agricultural districts there were only 11.4.

The most severe and fatal epidemic prevailing in July was located in Waterbury. 79 deaths from Diarrhœal Diseases are reported by the Registrar as recorded by him, and what is quite exceptional the majority were not infants, only 37 of them being under 5 years old. No official report except of the mortality has been received at this office, but it is currently rumored that Dysentery is the chief form of disease, and that the excessive pollution of the river in running through the city is a potent factor among the causes.

The other causes of death, not Diarrhœal, have not been more active than usual in the State.

The annual death rate throughout the State in June was 14.8. In July it was 27. The excess is almost wholly because of the greatly increased mortality from intestinal affections, and with the exception of Waterbury chiefly among infants.

**Diphtheria and Croup.**—Had only 22 victims as against 26 in June. **Scarlet Fever.**—Killed 8, a smaller number than for several previous months.

**Measles.**—Is still prevalent and was fatal in 13 instances.

**Typhoid Fever.**—Caused 12 deaths.

**The Malarial Fevers.**—Have been more destructive. There were 22 deaths attributed to them as against only 5 in June.

**Whooping Cough.**—Has also been more fatal, taking 9 young lives.

The Secretary desires to express his thanks to the large majority of Registrars who have carefully and promptly made out and returned their reports. Upon the small minority who have failed in these particulars he ventures to request a more strict compliance with the law requiring the reports to be sent on or before the 7th of each month.

The full reports from every town in the State are very much desired, in order to make the monthly bulletin a complete statement of the mortality in each month.

The work of computing death-rates and percentages and compiling the statistical table is considerable, and cannot be satisfactorily done until all the reports are received. Therefore it is of consequence that the reports be returned promptly.

The Secretary invites correspondence with the Registrars, if at any time he can render them any assistance in the discharge of these duties.

C. A. LINDSLEY,

Secretary State Board of Health.

NEW HAVEN, July 15, 1887.



# METEOROLOGICAL REPORT FOR THE MONTH OF JULY, 1887.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

J. H. SHERMAN, SERG'T SIG. CORPS, U. S. A., OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡				WIND.				CHARACTER OF WEATHER.			Average cloudiness, as represented by total.									
	Barom-eter.‡				Range.				3 P. M.				10 P. M.		Max. Vel. and Direction.		Precipitation in inches.	Wind direction.							
	7 A. M.	10 P. M.	Daily Mean.	Maximum	Minimum	7 A. M.	3 P. M.	10 P. M.	Direction.	Vel. per h.	Direction.	Vel.													
1	30.05	74	72	77.7	88.2	69	19.2	80	54	84	72.7	SW	3	SW	9	SW	4	132	SW	15	Clear.	Clear.	Clear.	4.0	
2	30.05	87	70	76	88.2	68	20.2	86	63	88	76.3	SW	5	SW	14	SW	4	157	SW	15	Clear.	Clear.	Clear.	0.0	
3	30.10	72	83	71	75.3	85	66.9	81	86	62	76.3	SW	7	SW	12	SW	4	190	SW	15	Clear.	Clear.	Clear.	3.4	
4	30.18	70	80	70	73.3	81.8	67.3	14.5	90	88	93	83.7	SW	5	SE	9	SW	6	104	SE	13	Cloudy.	Cloudy.	Cloudy.	10.0
5	30.12	70	74	70	71.3	78.9	67.3	11.6	95	82	93	89.7	SW	10	SW	11	SW	12	217	SE	15	Cloudy.	Cloudy.	Cloudy.	10.0
6	29.68	70	70	70	73	68.5	4.5	98	95	92	98	97	SW	12	SW	12	SW	8	204	SW	14	Foggy.	Clear.	Clear.	2.0
7	29.86	71	82	71	74.7	83.8	68.4	15.4	98	72	93	87.7	SW	10	SE	8	SE	3	151	SW	14	Fair.	Clear.	Clear.	3.7
8	29.78	73	86	76	78.3	87.3	95	22.3	86	58	80	74.7	SW	7	SE	8	SE	3	67	SW	9	Threat'g.	Clear.	Clear.	9.7
9	29.87	70	77	71	75.7	82.6	68.8	13.8	80	93	80.3	74.7	SW	9	SW	13	SW	12	120	SW	12	Cloudy.	Fair.	Cloudy.	8.3
10	29.62	72	74	71	78	64.6	13.4	74	61	70	68.3	SW	7	SW	18	NW	3	220	NW	18	Clear.	Clear.	Clear.	5.3	
11	29.79	68	76	71	71	78	64.6	13.4	74	61	68.3	NW	9	NW	9	NW	3	149	NW	11	Clear.	Clear.	Clear.	4.3	
12	29.97	72	83	74	76.3	84.7	66.3	18.4	71	55	78	66.7	SW	11	NW	13	NW	12	262	NW	16	Clear.	Clear.	Clear.	5.7
13	30.04	74	89	78	80.3	90.2	65.3	21.9	78	49	73	66.7	SW	11	NW	13	NW	12	262	NW	16	Clear.	Clear.	Clear.	5.7
14	30.00	76	78	70	74.7	82.2	69.2	13.0	70	44	54.7	SW	11	NW	13	NW	12	262	NW	16	Clear.	Clear.	Clear.	7.3	
15	30.04	77	77	78	74.3	80.8	63.2	17.0	60	44	59.3	SW	7	SW	5	NW	2	136	SW	13	Clear.	Clear.	Clear.	7.3	
16	29.89	66	79	78	74.3	83	63.4	19.0	80	44	59.3	SW	7	SW	5	NW	2	136	SW	13	Clear.	Clear.	Clear.	7.3	
17	29.82	80	74	78.7	87	70.6	60.6	15.3	75	72	79.3	SW	7	SW	8	SE	0	117	NE	12	Clear.	Rain.	Rain.	4.7	
18	29.85	71	79	68	72.7	82.7	60.6	16.1	95	83	90.3	SW	0	SE	8	SE	0	117	NE	12	Clear.	Rain.	Rain.	10.0	
19	30.03	77	70	68	70.3	76.6	64.2	12.4	95	83	90.3	SW	0	SE	8	SE	0	117	NE	12	Clear.	Rain.	Rain.	5.0	
20	30.15	64	74	68	68.7	76.2	60.2	10.0	95	74	83	90.3	SE	2	SE	7	SE	4	124	NW	10	Cloudy.	Clear.	Clear.	3.3
21	30.01	66	68	67	73	69.5	12.5	98	89	95	93.3	SE	12	SE	7	SE	4	109	SE	15	Cloudy.	Rain.	Cloudy.	10.0	
22	29.86	72	76	73	73.7	66.7	9	96	81	92	93.3	SW	9	SW	7	SE	4	109	SE	15	Cloudy.	Rain.	Cloudy.	10.0	
23	29.97	75	76	73	75.6	72.3	7.3	91	87	95	91	SW	9	SW	7	SE	4	145	SW	13	Rain.	Threat'g.	Cloudy.	9.7	
24	30.13	72	79	74	75	71.5	0.5	98	91	92	91	SW	9	SW	7	SE	4	145	SW	13	Rain.	Threat'g.	Cloudy.	9.7	
25	30.10	72	82	74	76	84.8	77.1	15.7	75	72	88.3	SW	9	SW	8	SW	2	118	SW	13	Rain.	Fair.	Fair.	7.7	
26	29.98	69	80	75	74.7	68.0	15.1	95	75	93	87.7	NW	1	SW	5	SW	2	69	SW	8	Cloudy.	Fair.	Cloudy.	5.7	
27	29.97	72	80	75	73.7	86.1	71.7	12.1	93	72	93	87.7	NW	4	SW	7	SW	2	104	SW	8	Cloudy.	Fair.	Cloudy.	5.7
28	29.95	72	80	74	73.7	82.2	66.7	12.1	93	72	93	86.7	SE	1	SW	5	SW	2	100	SW	8	Cloudy.	Fair.	Cloudy.	3.7
29	29.97	76	82	78	78.7	84.7	73.2	10.3	76	91	86.7	NW	4	SW	7	SW	4	111	SW	13	Cloudy.	Cloudy.	Cloudy.	8.7	
30	29.99	70	83	78	79	81.6	73.2	91	76	93	86.7	NW	5	SW	9	SW	1	125	SW	14	Cloudy.	Cloudy.	Cloudy.	10.0	
31	29.89	76	83	74	77.7	87.7	75.5	93	80	93	88.7	SW	5	SW	9	SW	1	125	SW	14	Cloudy.	Cloudy.	Cloudy.	10.0	
Monthly Mean.	29.967	71.8	72.3	74.5	82.6	68	14.6	87.3	71.2	86.4	81.6	SW	4.5	SW	8.5	SW	5.1	142	SW	12.5	4.66	Total			6.4

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
	Monthly Mean.	Daily Range.	Prevailing direction.	Max. hourly velocity.	Max. hourly velocity and direction.	Total number of days on which 0.1 in. or more precipitation occurred.	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.67
Monthly Mean, 29.967 inches.	29.967	29.967	SW	5.1	5.1	13	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.67
Highest, 30.20 in.; Date, 4th.	30.20	30.20	SW	5.1	5.1	13	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.67
Lowest, 29.56 in.; Date, 10th.	29.56	29.56	SW	5.1	5.1	13	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.67
Monthly range, 0.64.	0.64	0.64	SW	5.1	5.1	13	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.67
Total monthly movement, 4.400 miles.										
Least daily range, 4.5 deg.; Date, 6th.										
Mean daily range, 14.6 degrees.										

Monthly mean humidity, 81.6 per cent. Meridian time. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. ‡ Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. ¶ Humidity relative, saturation being 100. § Maximum velocity in any hour from 10 P. M. to 10 P. M.

VOL. I.

No. 3.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

# STATE BOARD OF HEALTH

FOR THE

MONTH OF AUGUST, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of August, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing An- nual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Interpal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Ner- vous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Self Murders.	
Bridgeport,.....	40,000	77	23.1	42	54.5	---	---	---	1	6	---	---	2	---	2	---	24	4	8	2	1	6	1	3	17	1	
Bristol,.....	6,500	17	31.4	6	35.2	---	---	---	1	3	---	---	---	---	---	---	1	2	6	1	1	4	1	1	4	1	
Danbury,.....	17,500	26	17.8	13	50.	---	---	---	---	1	---	---	---	---	---	---	17	5	2	---	---	5	2	1	3	1	
Derby,.....	15,500	39	30.2	26	66.6	---	---	---	3	---	---	---	1	---	---	---	2	3	2	---	---	5	2	1	3	1	
Enfield,.....	7,000	7	12.	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	---	---	---	---	---	---	---	---	
Greenwich,.....	8,000	17	25.5	7	41.2	---	---	---	1	2	---	---	---	---	---	---	7	3	---	---	---	---	---	---	---	---	
Groton,.....	5,150	13	30.3	5	38.4	---	---	---	---	---	---	---	---	---	---	---	5	1	1	---	---	1	---	---	---	---	
Hartford,.....	50,000	73*	15.3	47	36.9	---	---	---	2	2	---	---	2	---	---	---	8	5	12	1	2	8	4	6	20	2	
Killingly,.....	7,000	17	29.1	9	52.9	---	---	---	3	---	---	---	---	---	---	---	7	1	1	---	---	1	---	---	---	---	
Manchester,.....	72,000	41	18.3	7	63.6	---	---	---	1	---	---	---	---	---	---	---	7	1	1	---	---	---	---	---	---	---	
Meriden,.....	22,000	36	15.3	13	50.	---	---	---	---	---	---	---	---	---	---	---	7	1	---	---	---	---	---	---	---	---	
Middletown,.....	12,000	21*	11.	4	19.	---	---	---	---	2	---	---	---	---	---	---	7	1	3	---	---	3	2	1	2	1	
Naugatuck,.....	6,000	7	14.	1	14.2	---	---	---	---	---	---	---	---	---	---	---	3	2	---	---	---	4	1	2	3	1	
New Britain,.....	18,000	22	14.4	9	40.9	---	---	---	---	3	---	---	---	---	---	---	4	1	18	4	1	20	9	5	7	1	
New Haven,.....	80,000	157*	21.	56	35.7	---	---	---	---	---	2	1	2	4	2	1	21	14	18	4	2	20	9	5	7	1	
New London,.....	13,000	36	33.2	13	36.1	---	---	---	---	---	---	---	---	---	---	---	7	4	3	---	---	7	---	---	---	---	
Norwalk,.....	16,000	32	24.	5	15.6	---	---	---	2	---	---	---	---	---	---	---	4	6	3	2	---	---	---	---	---	---	
Norwich,.....	25,000	43	20.6	14	32.5	---	---	---	---	1	1	---	1	---	---	---	9	1	7	---	---	3	2	1	2	---	
Punam,.....	6,800	11	19.1	6	54.5	---	---	---	4	---	---	---	2	---	---	---	9	1	---	---	---	---	---	---	---	---	
Southington,.....	5,500	16	34.9	10	62.5	---	---	---	---	1	---	---	---	---	---	---	8	3	---	---	---	---	---	---	---	---	
Stamford,.....	14,000	34	28.6	14	41.2	---	---	3	---	2	---	---	---	---	---	---	9	1	---	---	---	---	---	---	---	---	
Stonington,.....	7,500	12	19.2	3	25.	---	---	---	---	---	---	---	---	---	---	---	2	1	1	---	---	---	---	---	---	---	
Stratford,.....	5,600	16*	21.8	3	18.7	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---	---	---	---	---	---	---	
Vernon,.....	8,000	14	21.	8	57.1	---	---	---	1	---	---	---	---	---	---	---	5	2	---	---	---	---	---	---	---	---	
Wallingford,.....	5,500	3	6.5	2	66.6	---	---	---	---	---	---	---	2	---	---	---	2	1	---	---	---	---	---	---	---	---	
Waterbury,.....	30,000	78	31.2	36	46.1	---	---	---	---	3	---	---	---	---	---	---	24	19	8	---	---	6	2	1	2	---	
Winchester,.....	5,050	7	14.8	2	28.5	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	---	---	---	---	
Windham,.....	10,000	6	7.2	2	33.3	---	---	---	---	---	1	---	---	---	---	---	1	1	---	---	---	---	---	---	---	---	
Total of twenty-eight of the { above towns reporting, One hundred and eight other towns of less than 5,000 { inhabitants report the following mortality:	454,400	848	22.3	348	41.3	---	1	9	9	33	5	2	15	11	7	7	107	71	82	17	6	74	35	33	234	23	
Total reported from 136 towns, Population of towns in which were no deaths, { and of towns not reporting.	684,806	1278	22.3	473	37.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State,	715,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* The Mortality in Public Institutions of the State were: in Hartford, 9; in Middletown, 10; in New Haven, 17; and in Stratford 5. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in August: Andover, Avon, Beacon Falls, Barkhamsted, Bolton, Bridgewater, Brooklyn, Canterbury, Colebrook, Eastford, East Granby, East Haven, Lisbon, Marlborough, Morris, New Fairfield, Newington, Norfolk, Old Saybrook, Roxbury, Scotland, Westbrook, West Hartford, Willington, and Woodbury—25.

The Registrars of the following towns have made no report for August: Bloomfield, Ellington, Essex, Newtown, and North Stonington—5.

# REMARKS.

In noting the death-rate in the above mentioned towns, it should be remembered that the estimated population upon which it is based is that of the permanent residents, while many of the towns are places of popular resort during the summer months, for both health and pleasure. Towns like Greenwich and others on the sea coast, are often increased in population by this access of transient residents 25 to 50 per cent. Obviously, all deaths occurring among the transients if added to the others, makes a death-rate unjustly large if estimated upon the permanent population only.

This explanation is due to such towns lest the high death-rate recorded against them be taken as evidence of insalubrity.

In addition to the above reports of mortality, this office is in receipt of twenty other reports from sanitary correspondents in as many different places in the State, relating to the sickness prevailing in places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Ashford.**—No Epidemics—billious troubles almost entirely.—*Dr. Simmons.*

**Avon.**—Several cases of Typhoid Fever—none fatal—also a few cases of Diarrhoea and Dysentery.—*Dr. Alcott.*

**Bloomfield.**—Unusually healthy. A few cases of bowel complaint and 2 or 3 of Typhoid Fever.—*Dr. Gray.*

**Bolton.**—A few cases of Measles, and mild Diarrhoea.—*Dr. Sumner.*

**Bridgeport.**—Malarial Neuralgia has been frequent. Typhoid Fever has been severe in character. In the western part of the city, considerable Dysentery among children.—*Dr. Worden.*

**Durham.**—A few cases of Typhoid Fever—none fatal—no unhygienic surroundings to account for their presence.—*Anonymous.*

**Griswold.**—A few cases of Dysentery. Diarrhoea common and some Malaria.—*Dr. Jennings.*

**Hartford.**—Diarrhoeal Diseases and Scarlet Fever.—*Dr. Knight.*

**Meriden.**—An increasing tendency to a typhoid type of disease is a marked feature as the season advances.

There were reported to the Health Officer 15 cases of Typhoid Fever (1 death), 3 cases of Diphtheria (1 death), and 4 cases of Scarlet Fever. Dysentery, Pneumonia, and Malarial Fevers are prevalent among adults.—*Dr. Nickerson.*

**New Haven.**—Diarrhoeal Diseases are still the most active. But fatal diseases of the nervous system have been unusually prevalent. August has been more sickly than usual.—*Health Officer.*

**Newtown.**—Prevailing troubles : Dysentery, Cholera Morbus, and Diarrhoea.—*Dr. Smith.*

**Norwalk.**—Malaria more prevalent. Gastro-intestinal Diseases prevalent among both adults and children. Dysentery abundant though not epidemic.—*Dr. Gregory.*

**Norwich.**—No disease very prevalent. Some Cholera Morbus and Diarrhoea among children.—*Dr. Paddock.*

**Roxbury.**—Very healthy except Diarrhoea and mild forms of Dysentery—none fatal.—*Dr. Potts.*

**Salem.**—Diarrhoea and Cholera Morbus prevail among all ages. One case of Typhus Fever.—*Anonymous.* (Typhus Fever is so rare a disease in Connecticut that the diagnosis may be reasonably doubted.—*Secretary.*)

**Suffield.**—More sickly than usual. Dysentery prevalent and severe. One fatal case of Diphtheria. Several severe cases of Malarial Fever attributed to drinking from a well supplied by surface water.—*Dr. Mason.*

**Waugrean.**—No sickness to report.—*Dr. Judson.*

**Westport.**—Sickness mostly Malarial and Diarrhoeal.—*Dr. Day.*

**Wethersfield.**—More intestinal troubles than last year, but less malarial. In nearly all dysenteric symptoms were present, yet for the most part quite manageable. Very little sickness among children.—*Dr. Warner.*

**Windham.**—Intestinal disorders less violent—and Malarial less frequent. Two cases of Typhoid Fever, and several cases of Dysentery. Cholera Infantum, apt to be followed by Meningitis, though with little fatality.—*Dr. Fox.*

It is quite evident from the above reports of sickness and mortality that the health of the people of Connecticut is better than in July. The average death rate was only 22.3 per 1,000 of the population as against 27. in the previous month. Another singular fact is that the average death rate in the large towns is exactly the same as in the small ones, to wit :—22.3, whereas in July the disparity was as between 31.2 and 19.9.

As in July Intestinal Diseases were still the most active causes of death. The lower temperature and diminished humidity of August will no doubt be considered as prominent factors in the improved death rate. The marked difference in the two months can be seen by consulting the Meteorological reports.

No fatal epidemic was reported from any part of the State.

**Measles.**—But one fatal case of this disease was reported.

**Scarlet Fever.**—Caused only 11 deaths, and as all these occurred in only 4 different towns, the inference is that due care was not taken in the first cases to prevent the contagion from spreading.

When local Boards of Health appreciate their full duty to the public in outbreaks of Scarlet Fever, the disease will be less known.

**Cerebro-Spinal Fever.**—Had 14 victims. Although this number is less than in July, still the sum of cases in the two months exceeded the mortality from that disease in the whole year of 1886.

**Diphtheria and Croup.**—Proved fatal in 39 cases the majority of which, 24, occurred in towns of more than 10,000 inhabitants.

**Whooping Cough.**—As almost always is milder in warm weather, and destroyed only 6 children in the State.

**Erysipelas.**—But three deaths were reported.

**Typhoid Fever.**—Was fatal in 21 cases, 15 of which were in the larger towns.

**Malarial Fevers.**—Were equally fatal, 21.

**Diarrhoeal Diseases.**—Killed 406 in the State. 206 of which were under 5 years old.

**Consumption.**—The number fatal throughout Connecticut was 118. In every other month in the year except July and August this disease leads as a cause of death.

**Pneumonia.**—Keeps equal pace with Typhoid and the Malarial Fevers and claimed 21 victims.

## A WORD TO THE TOWN REGISTRARS.

The Secretary again extends his thanks to the Registrars who have promptly made their reports, and would most earnestly urge upon the others to consider the embarrassment which their delay occasions. After the computations are made for the statistical table, the reception of other reports necessitates a revision of the previous estimates, so that nothing can be done until all the reports are received which are used in compiling the Abstract of the Monthly Mortality.

Several Registrars did not send their reports for August until the 12th or 13th of September. The law requires them to be sent on or before the 7th. The Secretary begs such tardy parties to give a little more prompt attention to this duty.

By waiting until the above mentioned date the Secretary is enabled to give reports for August from 162 towns. Five town Registrars only having wholly failed to comply with the law. Though too many failed in punctuality.

C. A. LINDSLEY, M.D.,

Secretary State Board of Health.

NEW HAVEN, September 15, 1887.



# METEOROLOGICAL REPORT FOR THE MONTH OF AUGUST, 1887.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

J. H. SHERMAN, SERG'T SIG. CORPS, U. S. A., OBSERVER.

Barometer.		Temperature.					Relative Humidity.			Wind.			Precipitation.*		Character of Weather.			Average cloudiness, to represent the totality.			
Date.	Daily Mean.	7 A. M.	3 P. M.	11 P. M.	Daily Mean.	Range.	7 A. M.	3 P. M.	11 P. M.	7 A. M.	3 P. M.	11 P. M.	Daily Movement.	Max. Vel. and Direction.	Vel.	7 A. M.	3 P. M.		11 P. M.		
1	29.90	73.	82.	78.	78.	71.	93	72	93	98	0	0	60	S	8	0	Fair.	Cloudy.	Fair.	7.0	
2	29.93	73.	76.	74.	74.	68.	93	89	92	92	0	0	115	E	16	0	Cloudy.	Cloudy.	Rain.	10.0	
3	30.08	69.	76.	72.	71.	79.	95	90	93	87	0	0	150	N E	12	0	Cloudy.	Cloudy.	Clear.	6.7	
4	30.17	69.	76.	70.	68.	73.	96	91	95	88	0	0	172	S E	12	0	Cloudy.	Fair.	Clear.	5.7	
5	30.01	68.	76.	74.	73.	78.	96	78	91	86	0	0	147	S	12	0	Cloudy.	Cloudy.	Cloudy.	10.0	
6	29.79	70.	78.	72.	75.	72.	95	81	86	86	0	0	177	N W	22	0	Cloudy.	Cloudy.	Clear.	7.0	
7	30.03	66.	72.	61.	66.	74.	95	70	85	86	0	0	230	N W	22	0	Clear.	Clear.	Clear.	1.0	
8	30.24	68.	71.	63.	67.	59.	94	53	83	72	0	0	105	N	9	0	Clear.	Clear.	Clear.	0.7	
9	30.20	62.	75.	66.	68.	76.	94	53	83	79	0	0	130	S W	12	0	Clear.	Clear.	Clear.	0.3	
10	30.05	64.	76.	70.	72.	78.	94	53	83	79	0	0	130	S W	12	0	Cloudy.	Cloudy.	Clear.	6.3	
11	29.91	71.	76.	70.	72.	78.	94	53	83	79	0	0	169	S	21	0	Cloudy.	Cloudy.	Cloudy.	10.0	
12	29.85	68.	75.	65.	67.	76.	94	53	83	79	0	0	132	N	16	0	Cloudy.	Fair.	Clear.	4.7	
13	30.04	68.	76.	70.	72.	78.	94	53	83	79	0	0	138	N	16	0	Clear.	Fair.	Clear.	5.0	
14	30.03	68.	76.	70.	72.	78.	94	53	83	79	0	0	129	S W	11	0	Clear.	Fair.	Clear.	6.7	
15	29.89	60.	69.	65.	66.	73.	94	53	83	79	0	0	97	S W	9	0	Cloudy.	Cloudy.	Hazy.	6.7	
16	29.78	62.	76.	70.	69.	71.	94	53	83	79	0	0	93	S W	10	0	Cloudy.	Fair.	Clear.	5.0	
17	29.94	66.	77.	70.	71.	80.	94	53	83	79	0	0	105	S	8	0	Cloudy.	Cloudy.	Fair.	4.0	
18	29.76	76.	72.	69.	72.	83.	94	53	83	79	0	0	262	S	24	136	Rain.	Rain.	Clear.	6.7	
19	29.89	65.	70.	64.	66.	73.	94	53	83	79	0	0	131	W	15	20	Clear.	Rain.	Clear.	3.3	
20	29.91	65.	70.	64.	66.	73.	94	53	83	79	0	0	185	N E	16	20	Cloudy.	Cloudy.	Fair.	8.3	
21	30.03	61.	77.	69.	73.	82.	94	53	83	79	0	0	131	S W	11	0	Cloudy.	Fair.	Clear.	4.3	
22	29.86	71.	70.	70.	70.	73.	94	53	83	79	0	0	144	W	16	59	Rain.	Rain.	Rain.	10.0	
23	29.77	68.	76.	64.	63.	71.	94	53	83	79	0	0	114	S	11	72	Cloudy.	Cloudy.	Rain.	10.0	
24	29.79	61.	62.	64.	63.	71.	94	53	83	79	0	0	173	N E	14	58	Cloudy.	Rain.	Cloudy.	10.0	
25	29.82	60.	70.	59.	63.	72.	94	53	83	79	0	0	286	N	20	0	Clear.	Clear.	Clear.	3.0	
26	29.94	56.	70.	58.	61.	71.	94	53	83	79	0	0	228	N W	20	0	Clear.	Fair.	Clear.	2.7	
27	30.00	56.	70.	58.	61.	71.	94	53	83	79	0	0	133	S	12	0	Clear.	Fair.	Clear.	1.3	
28	30.01	56.	70.	57.	62.	71.	94	53	83	79	0	0	139	N W	15	0	Clear.	Fair.	Clear.	1.7	
29	30.10	56.	71.	58.	61.	74.	94	53	83	79	0	0	159	N W	16	0	Clear.	Fair.	Clear.	3.0	
30	30.19	57.	71.	58.	61.	74.	94	53	83	79	0	0	140	W	15	0	Clear.	Fair.	Clear.	2.3	
31	30.26	53.	67.	58.	59.	71.	94	53	83	79	0	0	156	N W	15	0	Clear.	Rain.	Clear.	3.3	
Month.	29.97	64.2	73.5	65.8	67.8	64.2	84.2	64.9	85.1	78.1	N	6.2	S	8.2	N	5.1	4.50	Total.	4.80	5.2	
																				* Indicated trace of rainfall.	

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL- (Inches and tenths).	
	Monthly Mean.	Daily Mean.	Prevailing direction.	North.	Total number of days on which, 41 of in. or more precipitation occurred, 9.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.
Monthly Mean, 29.97 inches.	Monthly Mean, 67.8 degrees.	Monthly Mean, 67.8 degrees.	Mean hourly velocity, 5.0 m.	Mean hourly velocity, 5.0 m.	* Greatest 24 hour precipitation, 1.37 in. (in. and tenths) 1.37; Date, 18th.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.
Highest, 30.30 in.; Date, 31st.	Highest, 86.5 deg.; Date, 12th.	Highest, 86.5 deg.; Date, 12th.	Max. hourly velocity and direction, 24.0 miles S; Date, 18th.	Max. hourly velocity and direction, 24.0 miles S; Date, 18th.	Total monthly precipitation (in. and tenths), 4.80.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.
Lowest, 29.73 in.; Date, 23d.	Lowest, 49.7 deg.; Date, 31st.	Lowest, 49.7 deg.; Date, 31st.	Total monthly movement, 4.592 miles.	Total monthly movement, 4.592 miles.	Total depth of snow fall (inches and tenths), 0.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.
Monthly range, 0.57.	Greatest daily range, 23.0 deg.; Date, 8th.	Greatest daily range, 23.0 deg.; Date, 8th.	Least daily range, 6.1 deg.; Date, 22d.	Least daily range, 6.1 deg.; Date, 22d.	Number of fair days, 16.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.
	Mean daily range, 15.9 degrees.	Mean daily range, 15.9 degrees.			Number of cloudy days, 7.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.	1873.-69.1 deg.

Monthly mean humidity, 78.1 per cent. Monthly mean dew point, 60.2. Number of fair days, 16. Number of cloudy days, 7.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. || Humidity relative, saturation being 100. § Maximum velocity in any hour from 11 P. M. to 11 P. M.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF SEPTEMBER, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of September, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Periperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Sell Births.
Bridgeport,.....	40,000	59	17.7	23	36.3	---	---	---	---	9	---	---	1	1	---	---	6	1	12	4	1	4	2	2	13	2
Bristol,.....	6,500	9	16.0	3	33.3	---	---	---	---	---	---	---	1	---	---	---	1	2	3	1	1	4	2	2	3	---
Danbury,.....	17,500	16	10.9	3	18.7	---	---	---	---	1	---	---	---	---	---	---	2	4	3	---	---	1	2	2	2	---
Derby,.....	15,500	17	13.2	6	34.7	---	---	---	---	1	---	---	---	---	---	---	2	3	3	---	---	1	2	1	6	1
Enfield,.....	7,000	17	20.1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	3	---	---	1	4	2	6	---
Greenwich,.....	8,000	13	19.5	1	7.7	---	---	---	---	---	---	---	---	---	---	---	1	1	3	---	---	3	3	1	3	1
Groton,.....	5,150	11	25.6	2	18.1	---	---	---	---	---	---	---	---	---	---	---	2	1	2	---	---	3	3	1	3	1
Hartford,.....	50,000	86	16.8	25	31.2	---	---	---	---	2	---	---	---	---	---	---	6	1	7	---	---	5	5	6	30	1
Killingly,.....	7,000	7	12	6	85.7	---	---	---	---	---	---	---	---	---	---	---	1	6	8	---	---	1	1	1	1	1
Manchester,.....	72,000	12	20	6	50	---	---	---	---	---	---	---	---	---	---	---	2	6	3	---	---	---	---	---	---	---
Meriden,.....	22,000	23	12.5	10	43.4	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	---	---	---	---
Middletown,.....	12,000	22	15	1	68.1	---	---	---	---	---	---	---	---	---	---	---	6	1	2	---	---	---	---	---	---	---
Middletown,.....	6,000	5	10	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	---	---	---	---	---	---	---
Naugauk,.....	18,000	28	18.7	11	39.2	---	---	---	---	---	---	---	---	---	---	---	1	2	2	---	---	---	---	---	---	---
New Britain,.....	80,000	118	16	30	25.4	---	---	---	---	2	---	---	---	---	---	---	1	1	2	---	---	---	---	---	---	---
New Haven,.....	13,000	24	22.1	7	29.1	---	---	---	---	---	---	---	---	---	---	---	2	4	20	---	---	---	---	---	---	---
New London,.....	16,000	23	17.9	7	30.4	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	---	---	---	---
Norwalk,.....	25,000	24	11.5	11	45.8	---	---	---	---	---	---	---	---	---	---	---	3	2	1	---	---	---	---	---	---	---
Putnam,.....	6,800	15	26.4	8	53.3	---	---	---	---	---	---	---	---	---	---	---	2	1	1	---	---	---	---	---	---	---
Southington,.....	5,500	9	19.4	3	33.3	---	---	---	---	---	---	---	---	---	---	---	2	1	2	---	---	---	---	---	---	---
Stamford,.....	14,000	30	25.7	11	36.6	---	---	---	---	---	---	---	---	---	---	---	3	3	5	---	---	---	---	---	---	---
Stonington,.....	7,500	9	14.4	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	2	---	---	---	---	---	---	---
Stratford,.....	5,600	16	21.4	1	10	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	---	---	---	---
Vernon,.....	8,000	16	24	4	25	---	---	---	---	---	---	---	---	---	---	---	2	1	1	---	---	---	---	---	---	---
Wallingford,.....	5,500	3	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury,.....	30,000	59	23.0	25	42.4	---	---	---	---	---	---	---	---	---	---	---	6	7	1	---	---	---	---	---	---	---
Windsor,.....	5,850	6	12.7	1	16.6	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	---	---	---	---
Windham,.....	10,000	13	15.0	1	7.7	---	---	---	---	---	---	---	---	---	---	---	1	3	3	---	---	---	---	---	---	---
Total of twenty-eight of the above towns,.....	454,400	678	17.9	206	30.4	---	---	---	---	---	---	---	---	---	---	---	62	22	92	---	---	---	---	---	---	---
One hundred and thirty-seven other towns of less than 5,000 inhabitants report the following mortality: {	231,973	328	16.9	67	20.4	---	---	---	---	---	---	---	---	---	---	---	42	18	35	---	---	---	---	---	---	---
Total reported from 142 towns,.....	686,373	1004	17.5	273	27.1	---	---	---	---	---	---	---	---	---	---	---	104	40	127	---	---	---	---	---	---	---
Population of 23 towns in which were no deaths,.....	23,027	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reporting,.....	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State,.....	715,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* The Mortality in Public Institutions of the State were: in Hartford, 10; in Middletown, 7; in New Haven, 11; and in Stratford 7. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in September: Avon, Beacon Falls, Bethany, Bridgewater, Columbia, Franklin, Hartland, Hebron, Ledyard, Lyme, Marlborough, Middlebury, Middlefield, New Fairfield, Old Saybrook, Plainville, Prospect, Simsbury, Stafford, Tolland, Union, Warren, and Woodbridge—23, with a population of 23,027.

The Registrars of the following towns have made no report for September: Essex, and Newtown—2, with a population of 6,000.

# REMARKS.

In addition to the above reports of Mortality this office is in receipt of twenty-four other reports from Sanitary Correspondents, in as many different places in the State, relating to the sickness prevailing in the localities from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Bethel.**—One mild case of Typhoid Fever—a little Dysentery, not severe.—*Dr. Barker.*

**Bloomfield.**—September was very healthy.—*Dr. Gray.*

**Bolton.**—No epidemic. — Only mild bowel complaints among children.—*Dr. Sumner.*

**Bridgeport.**—Prevailing diseases, Malaria, Typhoid Fever, and Dysentery. Two cases of Typhoid Fever in one house. Investigation of the plumbing revealed a broken joint in the waste pipe in the cellar—in another corner of the cellar the pipe was rusted through, and fell to pieces when handled. It had been covered with saw dust which was wet with sewage.

A case of Dysentery was traced to the Waterbury epidemic. The patient had nursed her brother in Warren, who had contracted the disease in Waterbury.—*Dr. Wordin.*

**Durham.**—Typhoid and Malarial Fevers mild.—*Dr. Matthewson.*

**East Haddam.**—Intermittent and Remittent Fevers.—*Dr. Bell.*

**Haddam.**—Catarrhal affections common. Two cases of Typhoid and some Malarial troubles.—*Dr. Hazen.*

**Hartford.**—More Scarlet Fever than for some time, generally mild in type—only 5 deaths.—*Dr. Knight.*

**Madison.**—Remarkably healthy. Easy times for Doctors.—*Dr. Webb.*

**Manchester.**—Influenza among all classes and ages, resembles Hay Fever. Also Malaria, Rheumatism, Diarrhoea, and a few cases of Dysentery with Cholera Infantum among children. There were also three cases of Typhoid Fever in one family. What relation had these fever cases to a privy with vault under the same roof with the house and wood house, 15 feet distant from the kitchen stove, and 20 feet from the well.—*Dr. Griswold.*

**Meriden.**—No cases of infectious disease reported to the Health Officer this month. Malaria, sore throats, and bronchial affections as usual.—*Dr. Nickerson.*

**Middlefield.**—Am attending two cases of Typhoid Fever in one family, recently from Middletown, where they lived in a house having the well in the cellar, with the sink-drain discharging into it.—*Dr. Matthewson.* (Middletown needs a Sanitary Inspector.—*Secretary.*)

**New Haven.**—Typhoid Fever more prevalent than usual but no special prevalence of any infectious disease.—*Health Officer.*

**Newtown.**—Diphtheria, Typhoid Fever, and Malaria. The origin of the Diphtheria and Typhoid Fever not discovered.—*Dr. Smith.*

**Norwalk.**—Generally healthy. A few cases of Typhoid Fever, some Malaria, Bronchitis and Intestinal troubles.—*Dr. Gregory.*

**Ridgefield.**—Some Typhoid Fevers, but with mild typhoid symptoms.—*Dr. Todd.*

**Roxbury.**—Influenza seems to be epidemic.—*Dr. Pons.*

**Salem.**—Every one is well. On September 7, among several people in one room two were struck with lightning, the others were unharmed. The two injured were standing, the others sitting.—*Dr. Congdon.*

**Tolland.**—Diarrhoeas only.—*Dr. Clark.*

**Waterbury.**—The Dysentery Epidemic is rapidly abating. Diphtheria prevails with 9 deaths to its discredit. There are a few Typhoid Fever cases and more Malarial Fevers than usual.—*Dr. Frost, Health Officer.*

**Waugrean.**—Diarrhoea and Cholera Morbus.—*Dr. Judson.*

**Westport.**—Malaria and "Colds." A few cases of Typhoid Fever have been reported.—*Dr. Day.*

**Wethersfield.**—Malaria—some intestinal disorders holding over into September from previous months.—*Dr. Warner.*

**Windham.**—Influenza, Pneumonia and Catarrhal affections. Several cases of Typhoid Fever and Malarial.—*Dr. Fox.*

**Woodstock.**—Scarlet Fever—Typhoid Fever in mild form. Influenza very prevalent.—*Dr. Lowe.*

The general health of the State was better than in August. The total mortality was 1006 as against 1278 in August, representing an annual death rate of only 17.7 per 1,000 of population as against 22.3 in the month before.

No cases of Measles were reported from any part of the State. Scarlet Fever was reported from only 5 different towns, with 10 deaths 5 of which occurred in Hartford and 3 in Westbrook. There were but 3 deaths from Cerebro-Spinal Fever against 14 in August.

Diphtheria and Croup—Claimed 36 victims in 14 towns, being less than in month before. Only one other town reports it as present.

Typhoid Fever—Was fatal in 32 towns with 36 fatal results, and was reported as existing in 9 other towns. This is a marked increase on its prevalence in August.

The Malarial Form caused 20 deaths.

Diarrhoeal Diseases—Under 5 years of age are accreted with 104 as against 286 of the previous month, and with 40 victims over 5 years old as against 120 in August. These figures indicate the influence of a high temperature upon the intestinal organs.

Consumption—Destroyed 127 lives, which is probably in excess of the average from that disease.

Typho-Malarial Fever so-called, is either abating or the Doctors are getting out of favor with the hybrid-name, and are naming it more correctly, Typhoid. But 11 deaths are attributed to it in the State.

The Secretary feels encouraged to hope that he will in future obtain reports from every town in the State, and within the time which the law prescribes. There were only two delinquent Registrars for September, viz: those for Essex and Newtown. The others, with very few exceptions, sent in their reports promptly.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, October 15, 1887.

"Only 50 years ago," says Sir Spencer Wells, "the average duration of human life in Great Britain was thirty years; to-day, according to statistics, it is forty-nine years. In fifty years the population has increased by eight millions. At least two millions of this increase may be put down as the fruit of improved sanitary and medical work, and of victory over preventable sickness."

There is one admirable feature about a wire fence. The patent medicine man can't paint a legend on it in regard to his liver cure.—*Puck.*



# METEOROLOGICAL REPORT FOR THE MONTH OF SEPTEMBER, 1887.

J. H. SHERMAN, SERG'T SIG. CORPS, OBSERVER.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.				CHARACTER OF WEATHER.				Average cloudiness or clearing locality.	
	Barom.	TEMPERATURE.			Range.	7 A. M.	3 P. M.	10 P. M.	7 A. M.	3 P. M.		10 P. M.		Daily Movement.	Max. Vel. and Direction.	Vel.	CHARACTER OF WEATHER.					
		Daily Mean.	10 P. M.	3 P. M.						7 A. M.	Direction.	Vel.	Direction.				Vel.	7 A. M.	3 P. M.	10 P. M.		
1	30.17	54.	68.	61.	70.2	49.5	20.7	79.3	N E	7	S	7	S W	5	116	S	10	Clear.	Clear.	Clear.	4.3	
2	29.91	61.	66.	63.	68.7	57.3	11.4	83.	S W	8	N W	12	N W	9	125	N W	10	Fair.	Clear.	Clear.	9.0	
3	30.08	61.	68.	62.	61.7	58.6	10.1	76	N W	8	N W	10	N	9	152	N	15	Clear.	Clear.	Clear.	1.0	
4	30.21	58.	74.	64.	64.	75.3	23.6	80	N	5	N E	10	N	9	128	N	15	Clear.	Clear.	Clear.	0.3	
5	30.19	58.	76.	65.	66.3	70.8	53.3	89	N	5	S	11	N W	6	184	S W	18	Cloudy.	Cloudy.	Cloudy.	9.3	
6	30.19	58.	72.	68.	67.	75.6	57.4	82.7	N	0	S W	11	N W	7	147	S W	15	Cloudy.	Cloudy.	Cloudy.	10.0	
7	29.62	68.	74.	69.	70.3	77.3	58.2	90	N	11	N	12	N W	1	165	N	15	Clear.	Clear.	Clear.	0	
8	28.68	59.	66.	55.	60.	69.1	55.	83.	N	5	N W	12	N W	10	176	S W	13	Clear.	Clear.	Clear.	6.7	
9	30.05	52.	70.	66.	62.7	71.6	47.3	84	N	5	N W	18	N W	12	176	S W	13	Clear.	Clear.	Clear.	4.3	
10	30.11	64.	74.	60.	66.	70.2	60.	89	N	13	N	8	N	8	210	N	16	Cloudy.	Cloudy.	Cloudy.	10.0	
11	30.16	53.	56.	57.	65.	48.9	16.1	74	N E	9	N E	14	N	12	253	N E	21	Rain.	Rain.	Rain.	10.0	
12	30.16	53.	56.	61.	54.7	57.8	52.4	54	N E	9	N	5	N	3	180	N E	16	Cloudy.	Cloudy.	Cloudy.	10.0	
13	30.08	62.	75.	68.	67.7	70.1	63.	71.1	N	6	N	6	N	3	72	S	10	Clear.	Clear.	Clear.	1.0	
14	30.05	65.	75.	63.	66.7	70.1	63.	71.1	N	6	N	6	N	3	125	N	10	Clear.	Clear.	Clear.	0.3	
15	30.07	62.	70.	68.	67.7	70.1	63.	71.1	N	6	N	6	N	3	125	N	10	Clear.	Clear.	Clear.	0	
16	30.23	43.	63.	52.	55.7	48.5	16.7	68	N W	4	S	8	S W	6	120	N W	12	Clear.	Clear.	Clear.	0	
17	30.38	43.	63.	52.	52.7	40.4	27.3	81	N W	4	S	8	S W	6	120	N W	12	Clear.	Clear.	Clear.	0	
18	30.40	44.	66.	55.	55.7	40.4	27.3	81	N W	4	S	8	S W	6	120	N W	12	Clear.	Clear.	Clear.	0	
19	30.40	44.	66.	55.	55.7	40.4	27.3	81	N W	4	S	8	S W	6	120	N W	12	Clear.	Clear.	Clear.	0	
20	30.32	54.	67.	64.	64.7	74.2	51.2	82	N	3	S W	10	N W	3	164	S W	10	Cloudy.	Cloudy.	Cloudy.	1.0	
21	30.09	51.	69.	65.	61.7	50.7	44.	84	N	3	S W	6	N W	9	161	S W	18	Foggy.	Smoky.	Smoky.	3.3	
22	29.78	55.	62.	59.	62.7	58.6	42.2	62	N	3	S W	6	N W	9	161	S W	18	Cloudy.	Cloudy.	Cloudy.	2.7	
23	30.05	41.	50.	48.	53.7	38.2	18.6	70	N	12	N	9	N	12	183	N	25	Fair.	Clear.	Clear.	8.0	
24	30.05	41.	50.	47.	49.	36.6	46.	74	N W	12	N	9	N W	12	183	N	25	Fair.	Clear.	Clear.	3.7	
25	30.04	44.	56.	47.	49.	36.6	46.	74	N W	12	N	9	N W	12	183	N	25	Smoky.	Smoky.	Smoky.	6.0	
26	30.03	44.	56.	47.	49.	36.6	46.	74	N W	12	N	9	N W	12	183	N	25	Smoky.	Smoky.	Smoky.	0	
27	30.12	38.	60.	54.	50.7	41.7	35.2	79	N W	4	S W	9	N W	4	122	N	14	Smoky.	Smoky.	Smoky.	4.3	
28	30.16	54.	61.	58.	57.7	48.2	12.1	73	N W	4	S W	9	N W	4	122	N	14	Cloudy.	Cloudy.	Cloudy.	10.0	
29	30.07	60.	63.	60.	61.7	53.7	6.3	97	N E	3	S E	4	N	5	82	S E	8	Rain.	Rain.	Rain.	10.0	
30	30.07	60.	63.	60.	61.7	53.7	6.3	94	N E	3	S E	4	N	8	167	S E	12	Rain.	Rain.	Rain.	10.0	
Month Mean.	30.086	55.	65.7	58.5	59.7	67.8	51.	81.4	64.4	82.3	76.1	N	6.1	S	8.5	S W	5.4	1602	S W	13.5	2.21	5.1

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)
	Monthly Mean.	Daily Mean.					
Monthly Mean, 30.086 inches	Monthly Mean, 59.7 degrees.	Prevailing direction, S. W.	Total number of days on which 40 in. or more precipitation occurred, 8.	1873--62.4 deg.	1883--60.1 deg.	1873--2.12	1883--2.43
Highest, 30.46 in.; Date, 18th.	Highest, 77.7 deg.; Date, 15th.	Mean hourly velocity, 6.6 m.	*Greatest 24 hour precipitation.	1874--64.9 "	1884--66.4 "	1874--4.07	1884--4.41
Lowest, 29.53 in.; Date, 7th.	Lowest, 35.3 deg.; Date, 27th.	Max. hourly velocity, 16.6 m.	(in. and tenths), 1.09; Date,	1875--62.3 "	1885--60.7 "	1875--2.17	1885--2.35
Monthly range, 0.93.	Absolute range, 11.9 degrees.	tion, 25.0 miles N.; Date,	29.30; Total monthly precip.	1876--63.2 "	1886--63.2 "	1876--5.34	1886--5.35
	Greatest daily range, 34.6 deg.;	24th.	(in. and tenths), 2.21.	1877--61.6 "	1887--51.0 "	1877--1.13	1887--2.21
	Date, 4th.	Total monthly movement,	Total depth of snow fall (inches	1878--65.6 "	1888--	1878--7.67	1888--
	Least daily range, 5.4 deg.;	4,805 miles.	and tenths), 0.	1879--62.1 "	1889--	1879--2.13	1889--
	Date, 12th.		(inches of Thunder Storms, 7.30.	1880--64.9 "	1890--	1880--3.73	1890--
	Mean daily range, 16.7 degrees.			1881--60.6 "	1891--	1881--1.45	1891--
				1882--64.5 "	1892--	1882--13.43	1892--

Monthly mean humidity, 76.0 per cent. Monthly mean dew point, 54.6. Number of clear days, 12. Number of fair days, 6. Number of cloudy days, 12. Highest, 30.46 in.; Date, 18th. Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Lowest, 29.53 in.; Date, 7th. A minus sign (—) prefixed to figures under this heading indicates a temperature below zero. \* Snow is melted and resulting in any hour water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. † Humidity relative, saturation being 100. ‡ Maximum velocity in any hour from 10 P. M. to 10 P. M.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF OCTOBER, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of October, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Mortality, years 10 to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Enterpal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport.	40,000	19	4.8	11	18					9		1	1			2	1	9	3	2	4	5	2	22	6	
Bristol.	6,500			2	22.2																4	1	4			
Danbury.	17,500	17	11.7	4	23.4											2		1	5	1	1	1	4		2	
Derby.	15,500	14	10.3	5	32.2							1						3	1		3	1		4		
Enfield.	8,000	9	15.4	2	22.2													1	1					3		
Greenwich.	5,000	6	15.4	1	16.6													1	1		1			3		
Groton.	5,150	5	11.6	1	20.							1				1		1	1		1		1	2		
Hartford.	50,000	88	19.6	25	28.4					8		1	1			1		11	4	1	17	10	2	30	2	
Killingly.	7,000	13	22.3	2	15.4		1									1		1	1	2	3	1	4		2	
Manchester.	7,200	14	23.3	3	21.4							2	1			1		1	2	1	4	3	2	8	4	
Meriden.	22,000	18	9.9	5	27.7									1		1		1	2	1	4	3	3	2	2	
Middletown.	12,000	15	9	1	6.6													1	2	2	1	1	2	4	1	
Naugatuck.	6,000	6	12.	2	33.3							1				1		1	2	4	1	1	2	4	1	
New Britain.	18,000	14	9.3	3	21.4								2			1		18	5	4	12	9	1	26	10	
New Haven.	80,000	93	12.1	21	22.5				1			3	2			4		1	2	4	1	1	2	10	1	
New London.	13,000	19	17.5	7	36.9							2		2				1	2	1	1	1	2	4	1	
Norwalk.	16,000	12	9	2	16.6								1					1	2	1	1	1	2	10	2	
Norwich.	25,000	25	12.	7	28.		2											1	2	1	3	1	2	10	2	
Putnam.	6,800	10	17.7	6	60.			4								1		1	1	1	1	1	1	2	2	
Southington.	5,500	5	10.9	1	20.											1		1	1	1	2		3	4	1	
Stamford.	14,000	15	12.9	4	26.6								1			1		1	1	1	2	3	4	1	1	
Stonington.	7,500	11	17.7													1		1	1	1	2	2		5	1	
Stratford.	5,600	17	23.6									2	1			1		1	1	1	3		1	3	1	
Vernon.	8,000	13	19.5	7	53.8						1							2	1	1	3		4	1	1	
Wallingford.	5,500	2	4.4										1					1	1							
Waterbury.	30,000	52	20.8	22	42.3											1		8	1	1	2	1	2	13	4	
Winchester.	5,650	5	10.6						2	18		4						1	1	1	1	1	2	1	2	
Windham.	10,000	7	8.4	2	28.6							2				2		2						1		
Total of twenty-eight of the above towns reporting, Ninety-six other towns of less than 5,000 inhabitants report the following mortality.	454,400	575	15.18	146	25.3		3	5	5	60	1	1	19	8	5	3	20	7	81	30	8	76	44	29	170	40
Total reported from 124 towns. Population of 23 towns in which were no deaths. Population of towns not reporting. Total estimated population of State.	660,103	839	15.25	166	19.8		3	5	6	68	1	3	25	17	6	6	30	13	110	46	14	117	75	41	253	49

\* The Mortality in Public Institutions of the State were: in Hartford, 8; in Middletown, 6; in New Haven, 12; and in Stratford 6. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in October: Ashford, Barkhamsted, Bethany, Burlington, Canterbury, Chaplin, Columbia, Cromwell, Durham, Essex, Franklin, Hartland, Harwinton, Killingworth, Marlborough, Old Lyme, Old Saybrook, Plainville, Pomfret, Redding, Rocky Hill, Salem, Southbury, Tolland, Warren, Waterford, Willington, Weston, and Wolcott—29, with a population of 33,690.

The Registrars of the following towns have made no report for October: Chester, East Haven, Ellington, Goshen, Huntington, Kent, Middlebury, Monroe, Morris, New Fairfield, Newtown, North Stonington, Sterling, and Watertown—14, with a population of 21,607.

The Secretary's absence from New Haven in attendance upon the Meeting of the American Public Health Association during the previous ten days, prevented sending a reminder to the delinquent Registrars, and hence the inexcusable greater number of delinquents. The Secretary would take this opportunity to suggest a different reminder from that he has formerly sent, to wit: That every Registrar for such neglect makes himself liable to a fine of ten to twenty-five dollars.—See Public Acts, passed January Session, 1887, Chap. LXVII, Sec. 6.

# REMARKS.

In addition to the above reports of Mortality this office is in receipt of twenty-five other reports from Sanitary Correspondents, in as many different places in the State, relating to the sickness prevailing in the localities from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Ashford.**—Single cases of Malarial and Typhoid Fevers. No sickness among children worth noting.—*Dr. Simmons.*

**Avon.**—General health of town good.—*Dr. Alcott.*

**Bethel.**—One death from Dysentery—two cases of Typhoid Fever, one ascribed to a cesspool 20 feet from house overflowing under the house sink.—*Dr. Lyon.*

**Bloomfield.**—Comparatively healthy—Diseases were Acute Bronchitis and Malarial Fever.—*Dr. Gray.*

**Bridgeport.**—Among adults Typhoid Fever, Malarial Fever and sore throat. Among children Diphtheria in a mild form.—*Dr. Wordin.*

**Canaan.**—Reported to the Town Board of Health for October, 34 cases with 18 different diseases, of which 14 recovered and 20 are still under treatment.—*Drs. Dean, Gidman, and Wilcox.*

**Derby.**—Exceptionally healthy. A few cases of Diphtheria, Whooping Cough, and Typhoid Fever.—*Dr. Welch.*

**Durham.**—Influenza prevailing. Typhoid Fever diminishing.—*Dr. Matthewson.*

**East Haddam.**—Very little sickness and scarcely two cases of same disorder.—*Dr. Bell.*

**Griswold.**—Very little sickness.—*Dr. Jennings.*

**Haddam.**—No sickness in October.—*Dr. Haven.*

**Hartford.**—No epidemic. A few cases of Diphtheria.—*Dr. Knight.*

**Madison.**—Mild inflammation of air passages and intestines, also Malarial Neuralgias, all yielding to usual remedies. There was one severe case of Diphtheria in a family of 4 children attributed to well water contaminated with privy sewage. Isolation of patient and disinfection protected the other children.—*Dr. Webb.*

**Meriden.**—Have detected no tendency to disease usually attributed to septic agents or defective sewerage. The prevailing diseases are Malarial Fevers, Neuralgia and Influenza. 3 cases of Diphtheria and 2 of Scarlet Fever were reported to the Health Officer, but they were so mild as to make the diagnosis doubtful.—*Dr. Nickerson.*

**Middlefield.**—Three cases of Typhoid Fever, convalescent. Some Influenzas.—*Dr. Matthewson.*

**New Haven.**—Less sickness than usual. There were 4 deaths from Diphtheria, 3 from Typhoid Fever, and 6 from Diarrhœas.—*Health Officer.*

**Norwalk.**—A few cases of Scarlatina and Typhoid Fever.—*Dr. Gregory.*

**Ridgefield.**—No sickness to speak of.—*Dr. Todd.*

**Salem.**—Two cases of Scarlet Fever. Infection imported from Norwich.—*Dr. Congdon.*

**Southington.**—Throat Inflammation among adults. Children are well.—*Dr. Osborn.*

**Suffield.**—The month has been very healthy. A Malarial character in all disorders. No Scarlatina, no Diphtheria.—*Dr. Mason.*

**Tolland.**—No epidemic. Some cases of Peritonitis and Tonsillitis.—*Dr. Clark.*

**Waterbury.**—Diphtheria is abating; 2 or 3 cases are still reported daily, but they are mild in type. Before the end of November I trust it will be wholly under control. Placarding houses has a satisfactory effect in securing attention to our instructions among certain classes.—*Dr. Frost.*

**Watertown.**—Exceedingly healthy. Much to be commended as a health resort.—*Dr. Munger.*

**Wethersfield.**—Exceptionally healthy even for October. Health in the State Prison is good.—*Dr. Warner.*

From the preceding reports we may affirm that the health of the State is better than for any month since June. The death-rate being only 15.25 per 1,000 of the population, which in July was 27., in August 22.3, and in September 17.5.

Of the towns reporting sickness only two report more than in the previous month or in the corresponding month of previous years. 11 towns report about the same as in preceding month and 5 the same as in previous October. 9 report less sickness than in preceding month and 10 report less than in the same month of former years.

While the average death-rate in the large towns is even a little less than in the small ones, yet there is a very notable difference in the percentage of deaths under 5 years old, to the total mortality. In the large towns of over 5,000 inhabitants it is 25.3; in the towns of less than that population it is only 7.6.

**Measles.**—There were only 3 deaths from this disease in the State.

**Scarlet Fever.**—Four deaths in Putnam and one in Hartford were all from Scarlet Fever.

**Diphtheria and Croup.**—Of all the class called Zymotic these were most fatal, having 68 victims.

**Whooping Cough.**—Caused but one death.

**Typhoid Fever.**—Destroyed 25 lives.

**Diarrhœas.**—Proved fatal in 43 cases, 30 of which were under 5 years of age.

**Consumption.**—As usual, was more fatal than any other one disease. 110 deaths were attributed to it. Among the large towns Bristol, Groton, New Britain and Winchester reported no deaths from this cause.

Of the 124 towns reporting deaths, 84 report no deaths under 5 years of age.

If every Registrar has been careful to report all deaths under that age, the exemption is a noteworthy fact.

## TO THE REGISTRARS.

The neglect of 14 Registrars to comply with the law respecting reports of mortality induces the Secretary to make another appeal to them. The failures are all among the small towns. The Registrars of these towns are under the same legal obligations to obey the law as the Registrars of Hartford or Bridgeport, and they have the less excuse for neglect as it is but comparatively little trouble to prepare their report.

The Secretary has reason to believe that some Registrars are inexcusably careless in their reports. Of those received for October, seven Registrars did not specify the towns for which they reported; and two neither specified the town or affixed their signatures. Such reports exhibit a shameful disregard of official duty.

Again the marked disparity in the percentage of deaths under 5, between the large and small towns, excites a suspicion that the Registrars of the small towns neglect to fill out that item in their reports.

If so, such neglect subjects the Registrar to a penalty; it also vitiates the computations and greatly impairs the value of the reports.

The State expects the Registrar of every town to perform this duty promptly and accurately as her statutes require.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, November 15, 1887.



# METEOROLOGICAL REPORT FOR THE MONTH OF OCTOBER, 1887.

J. H. SHERMAN, SERGT SIG. CORPS, OBSERVER.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

DATE.	Barom-eter.	TEMPERATURE.					RELATIVE HUMIDITY.				WIND.				Precip-itation.*	CHARACTER OF WEATHER.			Average cloud-ness, to represent total.											
		Daily Mean.	Range.				7 A. M.	3 P. M.	10 P. M.	Daily Mean.	7 A. M.	3 P. M.	10 P. M.	Daily Movement.		Max. Velocity.	7 A. M.	3 P. M.		10 P. M.										
			Maximum.	Minimum.	Range.																									
1	29.93	56.	59.	57.	57.3	60.4	54.8	5.6	94	97	86	97	SE	10	6	W	8	6	12	186	12	1.00	Cloudy.	Rain.	Cloudy.	10.0				
2	29.83	57.	65.	57.	59.7	65.6	50.1	9.5	94	77	86	100	SE	10	5	W	8	6	12	92	12	.13	Fair.	Fair.	Fair.	6.3				
3	29.68	60.	63.	56.	59.7	64.	52.	12.	65	84	100	83.	W	8	3	S	1	7	9	8	110	15	.05	Cloudy.	Cloudy.	Cloudy.	5.7			
4	29.55	48.	65.	55.	68.3	45.2	23.1	85	90	61	75	75.	NW	5	3	N	5	0	9	0	0	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	6.3	
5	29.66	47.	59.	54.	53.5	59.8	45.6	14.2	85	70	72	70.	W	5	3	S	5	0	9	0	0	0	0	0	0	Fair.	Fair.	Fair.	5.0	
6	29.95	51.	65.	55.	57.	65.4	47.	18.4	81	52	77	70.	N	7	3	W	7	1	6	4	14.3	12	0	0	0	Fair.	Fair.	Fair.	2.3	
7	30.07	56.	74.	62.	61.	69.2	54.4	14.8	77	61	58	70.3	N	3	0	S	6	3	4	7	10	0	0	0	0	Fair.	Fair.	Fair.	3.7	
8	30.05	51.	68.	61.	61.	69.2	50.4	18.8	73	52	80	70.3	N	3	0	S	6	3	4	7	10	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	9.7	
9	29.92	61.	65.	62.	62.7	69.2	54.4	14.8	87	72	93	86.7	0	0	0	S	6	3	4	7	10	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	9.0	
10	29.80	63.	69.	65.	71.3	61.	61.	10.3	89	69	65	66.	W	11	5	NW	10	NW	6	194	17	.37	0	0	0	Cloudy.	Cloudy.	Cloudy.	9.3	
11	29.79	55.	49.	46.	50.	67.3	40.5	19.2	85	63	68	62.3	W	5	5	NW	12	NW	6	176	20	0	0	0	0	Fair.	Fair.	Fair.	4.0	
12	30.01	40.	50.	40.	43.3	53.3	37.9	15.4	70	43	55	56.3	S	5	4	NW	23	S	12	252	24	0	0	0	0	Clear.	Clear.	Clear.	2.3	
13	29.97	44.	60.	46.	53.3	61.2	36.	25.2	71	40	53	54.7	N	4	4	NW	11	N	15	179	15	0	0	0	0	Clear.	Clear.	Clear.	4.0	
14	30.04	45.	56.	42.	47.7	58.	42.	16.	61	33	66	55.	N	7	1	NW	9	NW	3	172	15	0	0	0	0	Clear.	Clear.	Clear.	2.0	
15	30.35	35.	56.	42.	53.	53.5	33.5	19.5	61	44	63	63.7	NW	1	1	NW	11	NW	3	155	16	0	0	0	0	Clear.	Clear.	Clear.	3.0	
16	30.36	36.	56.	49.	47.	57.4	28.4	28.8	47.	57.4	48.4	48.4	0	2	0	S	8	S	4	144	15	.04	0	0	0	Cloudy.	Cloudy.	Cloudy.	6.7	
17	30.17	48.	62.	58.	56.	65.7	40.2	14.8	94	70	68	80.3	SW	12	11	N	4	N	7	137	11	.02	0	0	0	Clear.	Clear.	Clear.	6.0	
18	29.98	58.	61.	54.	58.	69.	54.5	11.1	86	62	85	77.7	N	11	11	N	6	N	4	198	15	.14	0	0	0	Clear.	Clear.	Clear.	8.0	
19	29.97	48.	56.	45.	49.7	56.1	48.	10.9	88	70	90	82.7	N	12	12	N	6	N	4	198	15	.14	0	0	0	Clear.	Clear.	Clear.	4.0	
20	29.99	39.	55.	52.	48.	56.3	34.4	10.0	97	76	63	78.7	W	12	12	W	6	W	13	306	25	1.45	0	0	0	Clear.	Clear.	Clear.	3.7	
21	29.94	49.	54.	44.	49.	54.	34.2	8.7	97	65	64	73	SW	15	15	W	7	W	15	298	20	0	0	0	0	Clear.	Clear.	Clear.	4.7	
22	30.01	39.	43.	38.	40.	45.2	31.2	23.8	76	46	73	65.	W	5	5	W	8	S	12	190	15	.0	0	0	0	Fair.	Fair.	Fair.	4.7	
23	30.19	34.	50.	55.	50.3	61.2	41.2	17.2	72	35	52	50.3	SW	18	18	S	12	NW	7	349	24	.0	0	0	0	Cloudy.	Cloudy.	Cloudy.	10.0	
24	30.02	59.	63.	47.	50.3	61.2	47.2	39.6	76	63	53	69	61.7	NW	2	2	W	4	N	2	69	9	0	0	0	Fair.	Fair.	Fair.	8.0	
25	30.35	40.	45.	42.	42.3	47.2	31.3	19.9	66	48	70	61.3	N	11	11	N	5	N	5	266	21	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	10.0	
26	30.46	32.	49.	43.	45.7	54.8	38.	16.8	83	61	69	71.	N	11	11	N	7	N	5	181	17	.0	0	0	0	Clear.	Clear.	Clear.	9.7	
27	30.41	39.	51.	47.	47.	52.2	42.4	9.8	74	57	64	65.	N	11	11	N	7	N	5	162	12	.0	0	0	0	Clear.	Clear.	Clear.	2.0	
28	29.93	44.	52.	48.	47.7	57.2	35.2	19.6	79	84	70	93	N	12	12	N	5	W	4	93	9	0	0	0	0	Fair.	Fair.	Fair.	4.7	
29	29.98	44.	55.	48.	48.	48.6	32.	16.7	79	56	70	68.3	N	15	15	N	14	N	12	270	21	0	0	0	0	Clear.	Clear.	Clear.	4.7	
30	30.03	38.	44.	33.	40.3	52.6	24.9	27.7	54	39	57	50.	N	9	9	N	15	N	12	273	18	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	3.7	
31	29.93	27.	31.	43.	40.3	52.6	24.9	27.7	54	39	57	50.	N	9	9	N	15	N	12	273	18	0	0	0	0	Cloudy.	Cloudy.	Cloudy.	3.7	
Month.	29.926	46.5	57.1	49.8	51.1	59.5	43.	16.6	78.5	60.2	74.9	71.2	N	6.5	N	S	8.7	N-S-W	6.5	171.6	15	3.24	Total.	5.7						

\* Indicate trace of rainfall.

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and 100ths.)	
	Monthly Mean.	Daily Range.	Prevailing direction.	W. Mean monthly velocity.	Max. monthly velocity and direction.	Total number of days on which 40 in. or more precipitation occurred.	1873--52.3 deg.	1883--49.0 deg.	1873--7.18	1883--5.87
Monthly Mean, 29.926 inches.	Highest, 74.7 deg.; Date, 7th.	Lowest, 24.9 deg.; Date, 31st.	W.	22.	45.0 miles W.; Date, 22d.	24	1874--52.3	1884--53.2	1874--1.86	1884--2.49
Highest, 30.49 in.; Date, 20th.	Absolute range, 49.8 degrees.	Greatest daily range, 29.0 deg.; Date, 10th.	W.	22.	45.0 miles W.; Date, 22d.	24	1875--52.3	1885--53.2	1875--3.18	1885--5.37
Lowest, 29.48 in.; Date, 21st.	Least daily range, 5.6 deg.; Date, 1st.	Mean daily range, 16.6 degrees.	W.	22.	45.0 miles W.; Date, 22d.	24	1876--50.5	1886--50.5	1876--1.07	1886--1.95
Monthly range, 1.01.			W.	22.	45.0 miles W.; Date, 22d.	24	1877--54.8	1887--54.8	1877--1.07	1887--1.95
			W.	22.	45.0 miles W.; Date, 22d.	24	1878--56.9	1888--56.9	1878--1.41	1888--1.95
			W.	22.	45.0 miles W.; Date, 22d.	24	1879--58.7	1889--58.7	1879--1.41	1889--1.95
			W.	22.	45.0 miles W.; Date, 22d.	24	1880--51.5	1890--51.5	1880--1.41	1890--1.95
			W.	22.	45.0 miles W.; Date, 22d.	24	1881--55.9	1891--55.9	1881--2.78	1891--3.24
			W.	22.	45.0 miles W.; Date, 22d.	24	1882--55.3	1892--55.3	1882--3.54	1892--4.07

Monthly mean humidity, 71.2 per cent. Monthly mean dew point, 41.4. Number of clear days, 7. Number of fair days, 15. Number of cloudy days, 9.  
 NOTES.—Observations taken on the 75th Meridian time. Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet;  
 Elevation of rain and snow gauges, 113 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. † Humidity relative, saturation below 100. ‡ Maximum velocity in any hour from 10 P. M. to 10 P. M.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF NOVEMBER, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of November, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,	40,000	45	13.5	16	35.5	---	---	1	1	3	---	---	1	1	2	---	---	1	3	3	3	7	5	1	10	1
Bristol,	6,500	4	7.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury,	17,500	14	9.6	2	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby,	15,500	19	13.2	5	26.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield,	7,000	5	8.6	2	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich,	8,000	6	9.	3	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton,	5,150	5	11.6	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford,	50,000	64	12.9	18	28.1	---	---	1	1	7	---	---	1	2	---	---	---	---	---	---	---	---	---	---	---	---
Killingly,	7,000	8	13.6	1	12.5	---	---	2	---	2	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester,	7,200	4	6.6	1	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden,	22,000	18	9.8	1	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown,	12,000	25	13.	4	28.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck,	6,000	7	11.2	2	40.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain,	18,000	17	10.6	26	29.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven,	80,000	88	10.6	26	29.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London,	13,000	17	15.7	3	17.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norfolk,	16,000	23	17.2	1	13.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk,	25,000	20	13.9	4	13.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich,	6,800	6	10.6	3	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pittsford,	5,500	4	8.8	1	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington,	14,000	24	20.5	4	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford,	7,500	14	22.4	3	21.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stratford,	5,600	7	8.6	2	28.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon,	8,000	12	18.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford,	5,500	5	10.9	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury,	30,000	43	17.2	13	30.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester,	5,650	9	19.1	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham,	10,000	11	13.2	2	17.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of twenty-eight of the above towns reporting, {	454,400	535	14.1	129	24.1	---	---	9	2	58	1	2	17	4	4	6	6	6	75	36	14	73	49	14	159	35
Ninety-nine other towns of less than 5,000 inhabitants report the following mortality: {	213,792	256	14.3	29	11.3	---	---	2	3	6	8	3	6	2	2	3	4	4	31	16	2	38	25	20	81	13
Total reported from 127 towns, {	668,192	791	14.2	158	19.9	---	---	11	5	66	1	5	23	6	6	9	10	106	52	16	111	74	34	240	48	
Population of 37 towns in which were no deaths, {	43,508	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reporting, {	3,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State, {	715,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* The Mortality in Public Institutions of the State were: in Hartford, 10; in Middletown, 12; in New Haven, 10; and in Stratford 3. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in November: Avon, Andover, Beacon Falls, Bethlehem, Brookfield, Burlington, Canton, Columbia, Cromwell, Coventry, Canaan, Ellington, Eastford, East Haddam, East Haven, Goshen, Hampton, Hartland, Lebanon, Middlebury, Marlborough, Monroe, Morris, Norfolk, North Canaan, Old Lyme, Pomfret, Roxbury, Rocky Hill, Southbury, Sterling, Union, Warren, Westbrook, Wilmington, Wolcott, and Woodstock—37, with a population of 43,508.

The Registrars of the following towns have made no report for November: Chester, North Stonington, and Woodbridge—3, with a population of 3,700.

# REMARKS.

In addition to the above reports of Mortality this office is in receipt of twenty-six other reports from Sanitary Correspondents, in as many different places in the State, relating to the sickness prevailing in the localities from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Ashford.**—Measles have just appeared. Bronchial affections and Rheumatism are afflicting adults.—*Dr. Simmons.*

**Bethel.**—Some bowel troubles in children, and one case of Scarlet Fever in a boy recently from New York.—*Dr. Lyon.*

**Bolton.**—A few mild cases of Scarlet Fever.—*Dr. Sumner.*

**Bridgeport.**—Less sickness than usual in November.—*Dr. Wordin.*

**Canaan.**—Thirty-two cases of sickness, with 21 different disorders, during the month; 18 recovered, one died, and 13 are still under treatment.—*Dr. Wilcox.*

**Canton.**—In the first of November, Scarlet Fever threatened to be epidemic. But isolation of patients and thorough disinfection has proved as successful as usual. No new cases in two weeks, except in two families where isolation was impossible, which exception proves the rule. The early cases were mild in type, the later more severe.

Measles have also appeared epidemically, and in almost every instance with bronchial complications and slow recoveries. As yet no fatal result from either disease.—*Dr. Lewis.*

**Derby.**—Diphtheria less prevalent. Whooping Cough and Mumps are about. Many common sore throats.—*Dr. Welch.*

**East Haddam.**—Has been a very healthy month.—*Dr. Bell.*

**Griswold.**—Several cases of Pneumonia. Two of Diphtheria in one family.—*Dr. Jennings.*

**Haddam.**—A few cases of Typhoid Fever.—*Dr. Hazen.*

**Hartford.**—Sickness about the same as usual in November. No conspicuous prevalence of any disease.—*Dr. Knight.*

**Higganum.**—A few cases of Typhoid Fever and two of Scarlet Fever.—*Dr. Smith.*

**Killingly.**—Intermittent Fever, Diphtheria, with fatal results, in parts of the town. Scarlet Fever has also shown itself in the same parts.—*Dr. Hill.*

**Meriden.**—Influenza epidemic. Other affections of the air passages. Also, Erysipelas and Malaria among adults. Among children, Diphtheritic throat affections and one case of True Croup.—*Dr. Nickerson.*

**New Hartford.**—Four adults in one family with measles. One died, aged 78.—*Dr. Bunnell.*

**New Haven.**—An increase in Diphtheria, but less of all other sickness, and a smaller death-rate than at any time within a year. Also a few cases of Typhoid and Scarlet Fevers.—*Health Officer.*

**Norwalk.**—A few cases of Scarlatina and Typhoid Fever, and eight cases of Diphtheria have been reported, two of which were fatal. The latter is attributed to bad sewage disposal. Pulmonary troubles and tonsillitis abundant, among children in a severe form.—*Dr. Gregory.*

**Ridgefield.**—More sickness, although not very sickly. The ailments for the most part not dangerous.—*Dr. Todd.*

**Roxbury.**—Very healthy. No acute diseases.—*Dr. Pons.*

**Salem.**—Good health prevails.—*Dr. Congdon.*

**Waterbury.**—Diphtheria has been the only prevailing disease. Have had 64 cases with 8 deaths. The disease is now very mild in type and greatly on the decline. The total deaths in November were 43, of which 11 were from chronic diseases.—*Dr. Frost.*

**Westport.**—Never healthier.—*Dr. Day.*

**Wethersfield.**—Influenza among adults and one case of Pneumonia reported.—*Dr. Warner.*

**Wilton.**—Typhoid Fever, Malaria, and the usual amount of throat troubles.—*Dr. Gorham.*

**Windham.**—Less Diphtheria than in 1886. Pneumonia and Typhoid Fever are present, but so mild in type that they are seldom fatal. Malarial disturbances and Influenza are also common.—*Dr. Fox.*

**Woodstock.**—Bilious Fevers and Influenza are most frequent.—*Dr. Lowe.*

The above reports indicate a still better condition of health than in the previous month. The total deaths in November was 791 as against 839 in October, but as more towns were heard from in the latter month, the death-rate will afford a juster indication. This was 14.2 in November, against 15.25 in October. This is the lowest death-rate since the returns from all the towns have been received.

There is no report of any serious epidemic anywhere in the State. The towns which have suffered most through the summer and autumn report a decided abatement of disease.

In Fairfield, however, there would appear to be an epidemic of still-births. The Registrar reports seven in November, which, in a town where there are only 50 or 60 births a year, is certainly remarkable.

An unusually large number of towns report no deaths, and exactly the same number, viz., 37, report only one death in each town.

**Measles.**—There were only two deaths from Measles throughout the State, although its presence in many towns is reported.

**Scarlet Fever.**—Had 12 victims in 9 different towns.

**Diphtheria.**—Has been far the most fatal of the Zymotic class. The mortality in October was 68; in November it was 66. Although its prevalence has diminished in Waterbury it has increased in several other towns, especially in Stamford, and has appeared anew in Clinton and other places.

**Whooping Cough** as in October, was only once fatal.

**Typhoid Fever** is not reported so frequently, and the deaths are slightly less, although November usually has its full share of that disease.

**Diarrhoeal Diseases** are of course diminishing with the approach of cold weather, especially among children, the deaths under five being only 10 against 30 in October, 104 in September, 286 in August, and 474 in July.

**Consumption** has slightly diminished its mortality, while Pneumonia and Bronchitis has increased a little.

Meriden reports a very low death-rate for a town of its size, and, what is exceptional, gives no cause of death among the Zymotic diseases.

Middletown, with a higher death-rate, also reports no mortality from the Zymotic class. These are the only towns in the State of over 10,000 inhabitants which were favored with such an exemption.

The Secretary is pleased to recognize a much more prompt and full return of reports than before. Only three delinquent Registrars for November.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, December 15, 1887.





VOL. I.

No. 7.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

## STATE BOARD OF HEALTH

FOR THE

MONTH OF DECEMBER, 1887.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of December, 1887.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport.	40,000	51	12.8	21	41.1	---	---	---	---	8	---	---	1	---	---	1	1	1	10	3	2	8	4	1	12	2
Bristol.	6,500	11	20.3	6	54.5	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
Danbury.	17,500	22	15.	2	9.	---	---	---	---	---	---	---	2	---	---	---	---	7	---	---	---	---	---	---	---	---
Derby.	15,500	10	8.	2	20.	---	---	---	---	3	---	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---
Exeter.	7,000	13	22.3	2	15.3	---	---	---	---	---	---	---	1	---	---	---	2	---	---	---	---	---	---	---	---	---
Greenwich.	8,000	6	9.	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.	5,150	2	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.	59,000	60	12.	12	20.	---	---	---	---	6	---	---	1	---	---	---	---	12	3	3	9	2	2	18	2	1
Killingly.	7,000	8	13.7	4	50.	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
Manchester.	7,200	15	25.	5	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden.	22,000	19	10.4	6	31.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.	16,000	16	11.	2	12.5	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.	6,000	13	26.	1	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.	18,000	26	17.2	6	23.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.	80,000	97	13.5	30	30.9	---	---	---	---	2	1	1	3	1	2	2	2	16	10	7	12	10	3	29	6	6
New London.	13,000	14	12.9	2	14.3	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norfolk.	16,000	22	16.5	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.	25,000	34	16.3	7	20.5	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.	6,800	12	21.2	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamilton.	5,500	4	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamington.	14,000	20	17.1	5	25.	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.	7,500	13	20.8	2	15.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stratford.	5,600	10	12.9	2	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.	8,000	5	7.5	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.	5,500	4	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.	30,000	52	20.8	19	30.5	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.	5,650	4	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.	10,000	8	9.6	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of twenty-eight of the above towns reporting, One hundred and six other towns of less than 5,000 } Inhabitants report the following mortality:--	454,400	571	15.	142	24.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	223,048	299	16.	30	10.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 134 towns.	677,448	870	15.3	172	19.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of 30 towns in which were no deaths.	33,121	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reporting.	4,831	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State.	715,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* The Mortality in Public Institutions of the State were: in Hartford, 10; in Middletown, 5; in New Haven, 7; and in Stratford 4. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in December: Barkhamsted, Bethlehem, Bozrah, Canaan, Columbia, Cornwall, East Granby, Killingworth, Ledyard, Lishon, Marlborough, Middlebury, Middlefield, Monroe, New Hartford, Newington, North Canaan, Oxford, Prospect, Redding, Ridgefield, Roxbury, Scotland, Union, Voluntown, Warren, Westbrook, West Hartford, Wilton, Woodbridge—30.

The Registrars of the following towns have made no report for December: Chester, East Lyme, Essex—3.

# REMARKS.

In addition to the above reports of Mortality, this office is in receipt of twenty-four other reports from Sanitary Correspondents, in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

- Ashford.**—None sick—unusually healthy.—*Dr. Simmons.*
- Avon.**—One case of Diphtheria and one of Dysentery—both adults.—*Dr. Alcott.*
- Bloomfield.**—Sporadic Diphtheria—four cases. Not traceable to a special cause. One case of Typhoid Fever.—*Dr. Gray.*
- Bolton.**—Some Scarlet Fever, besides this only colds.—*Dr. Sumner.*
- Bridgeport.**—Colds, Sore Throats and Malaria prevail, and Diphtheria among children.—*Dr. Wordin.*
- Canaan.**—Thirty-five patients, 24 diseases, none infectious; 16 recovered, 19 still under treatment; no deaths.—*Dr. Wilcox.*
- Derby.**—Small amount of sickness. Whooping Cough still found, Diphtheria less than last month. Scarlet Fever has appeared.—*Dr. Welch.*
- Griswold.**—Several cases of Pneumonia and a few mild cases of Diphtheria.—*Dr. Jennings.*
- Haddam.**—Very little sickness of any sort.—*Dr. Hazen.*
- Hartford.**—A number of cases of Scarlet Fever, but only one death in December, which indicates a mild type.—*Dr. Knight.*
- Higginum.**—Some Pneumonia and a few cases of Typhoid Fever.—*L. A. Smith, Clerk of Board of Health.*
- Madison.**—Scabies quite prevalent. Nothing else but Bronchial troubles.—*Dr. Webb.*
- Meriden.**—No epidemic. Bronchitis, Pneumonia and Malarial Fevers among adults, and Catarrhs and Sore Throats among children. Two cases of Diphtheria reported to the Health Officer.—*Dr. Nickerson.*
- New Hartford.**—Bronchitis and Intestinal troubles.—*Dr. Burrell.*
- New Haven.**—A healthy month: only 12 deaths from Zymotic class.—*Health Officer.*
- Norwalk.**—No Typhoid Fever reported during the month. Four cases of Scarlet Fever, one malignant and fatal, and four of Diphtheria reported. There are many cases of Follicular Tonsillitis, a few of Pneumonia and some Diarrhoeas.—*Dr. Gregory.*
- Oxford.**—A very healthy time; comparatively little sickness.—*Dr. Barnes.*
- Ridgefield.**—A peculiar Catarrhal trouble of throat and larynx, with loose cough without expectoration, has been prevalent. It affects both adults and children. The different behavior of our winter colds in different winters it is interesting to observe.—*Dr. Todd.*
- Salem.**—Neuralgia, Rheumatism, and many cases of Gastritis, among all ages. One case of Tetanic Convulsions from injury—recovered.—*Dr. Congdon.*
- Suffield.**—December, as usual, the healthiest month in the year. Doctors getting fat and lazy.—*Dr. Mason.*
- Westport.**—Colds and Sore Throats; one case of measles, imported.—*Dr. Day.*
- Wethersfield.**—Influenzas, chiefly.—*Dr. Warner.*

**Wilton.**—Influenza, Whooping Cough and Tonsillitis. Less sickness than last month.—*Dr. Gorham.*

**Windham.**—Several cases of Typhoid Fever. Dumb Ague, Pneumonia and Catarrhal Inflammations of Air Passages among adults. Among children, Diphtheria and Croup, but no fatality.—*Dr. Fox.*

## COMPARATIVE STATEMENT OF CORRESPONDENTS.

Eight report the sickness as about the same as in the preceding month, or as in previous December.

Four report more sickness than in November, and one more than in Decembers of previous years. Six report less sickness than in November, and eight as less than in corresponding months of previous years.

The above reports do not indicate any great change in the health of the people since the statement for November. The reports of sanitary correspondents relate to only a small portion of the towns of the state, and do not therefore afford very full evidence, but do give the general fact that the health of the state is neither much worse or better than in the month before. The mortality reports coming, as they do, from every town in the state excepting three, which are of small population, indicate from that point of view a little more sickness than in November. The death rate being 15.3 per 1,000 in December against 14.2 in November. The excess is due to the greater mortality in the colder month from diseases affecting the lungs. In November the deaths from Consumption, Pneumonia and Bronchitis, altogether, numbered 174, while in December the aggregate was 247. The deaths from the so-called Zymotic diseases were somewhat less in December than in November.

The common belief that the country is healthier than the city is not borne out by the statistics of December. The annual death rate for that month in the ten urban towns of the state was 15.3 per 1,000, and that was exactly the annual death rate for the whole state.

This would certainly not be so if the inhabitants of the populous towns lived with the same disregard for hygienic law that their rural neighbors do. The abandonment of surface wells in the cities to a great extent, the substitution of a purer water supply, the introduction of sewers and corresponding abolition of filth pits, thus providing for the speedy removal of the filth which is usually retained about the houses of country homes, all contribute to make the homes of city residents as wholesome as those of their country neighbors, who neglect these important matters.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, January 15, 1887.

## THE HIBERNIAN SANITARIAN.

*Physician*—"Patrick, don't you know better than to have your pigpen so close to the house?"

*Patrick*—"An' phy shud oi not, sur?"

*Physician*—"It's unhealthy."

*Patrick*—"Be away wid yer nonsense. Sure the pig has niver been sick a day in his life."—*Boston Journal of Health.*



# METEOROLOGICAL REPORT FOR THE MONTH OF DECEMBER, 1887.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN. J. H. SHERMAN, SERG'T SIG. CORPS, OBSERVER.

DATE.	BAROMETER. <sup>†</sup>	TEMPERATURE. <sup>‡</sup>					RELATIVE HUMIDITY. <sup>  </sup>					WIND.					PRECIPITATION. <sup>*</sup>	CHARACTER OF WEATHER.			Average cloudiness for locality.					
		Daily Mean.	3 P. M.	10 P. M.	Daily Mean.	Minimum.	Maximum.	Range.	7 A. M.	5 P. M.	10 P. M.	Daily Mean.	7 A. M.	Vel. per h.	Direction.	Vel.		To P. M.	Daily Movement.	Max. Velocity.		7 A. M.	3 P. M.	10 P. M.		
1	30.06	9	23	16	16	23.2	7.5	15.7	79	62	84	75.	N	11	N	12	N	E	7	296	23	0	Clear.	Clear.	Clear.	0.0
2	30.07	12	28	28	28	29.7	20	13.3	76	78	89	81.	N	10	N	9	N	E	9	230	18	0	Cloudy.	Cloudy.	Cloudy.	10.0
3	30.41	34	45	39	34	45.7	45.7	27.2	85	81	88	87.	N	9	N	9	N	E	11	119	12	.01	Cloudy.	Cloudy.	Cloudy.	6.7
4	30.32	34	45	45	40.7	46.7	29.6	17.1	95	83	85	87.7	N	9	N	11	S	E	9	226	14	.29	Rain.	Clear.	Clear.	3.3
5	30.32	47	44	35	42.	50.7	35	15.7	95	66	64	75.3	S	5	N	9	N	E	6	209	27	0	Clear.	Clear.	Clear.	0.0
6	30.25	42	43	34	36.3	43.2	31.2	12.	70	55	76	67.	N	5	N	9	N	W	3	156	13	0	Clear.	Cloudy.	Cloudy.	7.0
7	30.25	26	42	42	36.7	43.6	24.9	18.7	88	77	84	83.	N	6	S	4	S	4	3	150	10	.02	Threat'g Fair.	Clear.	Clear.	5.7
8	30.21	42	51	37	43.	51.6	27.1	14.6	81	62	82	75.	0	0	N	5	N	5	9	96	10	0	Clear.	Cloudy.	Cloudy.	6.7
9	30.50	30	40	38	36.	44	29.1	14.9	90	76	78	81.3	N	10	S	9	N	E	11	284	14	0	Cloudy.	Rain.	Rain.	10.0
10	30.28	35	40	53	42.7	53.	34.	19.	86	92	94	90.7	S	12	S	9	N	E	12	284	12	.10	Cloudy.	Rain.	Rain.	6.7
11	29.88	52	56	52	53.3	55.5	50.8	47.	94	100	97	90.7	S	5	0	8	N	E	8	160	13	.26	Rain.	Foggy.	Rain.	6.7
12	29.88	50	49	40	40.3	53.7	39.5	14.2	97	73	71	80.3	S	5	0	8	W	5	9	160	12	0	Cloudy.	Cloudy.	Cloudy.	5.0
13	30.23	32	43	34	36.3	44	31.	13.	74	66	76	72.	W	5	N	5	N	W	3	160	12	0	Clear.	Clear.	Clear.	6.0
14	30.26	28	42	37	35.7	46.8	27.2	10.6	89	95	92	78.7	W	3	N	6	S	0	3	162	9	0	Clear.	Fair.	Clear.	5.7
15	29.84	40	38	39.3	41.5	34.	7.5	84	96	42	74.	74.	S	18	S	6	N	0	13	136	20	.61	Cloudy.	Rain.	Cloudy.	10.0
16	29.80	33	34	29	31.8	38.6	28.2	12.4	90	95	78	87.7	N	18	N	13	N	W	8	271	33	0	Fair.	Clear.	Clear.	1.7
17	29.61	34	36	33	31.	36.6	23.6	12.7	82	77	85	81.3	N	14	N	13	W	1	21	357	30	.37	Cloudy.	Cloudy.	Threat'g	7.0
18	29.90	30	34	31	31.7	35.5	28.2	7.3	90	77	84	83.7	N	10	N	12	N	1	8	347	42	0	Clear.	Clear.	Clear.	2.3
19	29.92	34	37	31	34.	37.6	30.3	7.3	76	59	79	76.3	N	14	N	29	N	3	10	234	30	.02	Cloudy.	Cloudy.	Rain.	9.7
20	30.00	28	40	33	33.	37.7	42.	25.	17.	68	90	78.	N	13	N	4	W	3	252	16	.20	Rain.	Cloudy.	Clear.	6.7	
21	29.82	35	42	33	36.3	43.	31.7	11.3	95	70	71	68.3	N	13	N	4	W	3	273	27	0	Clear.	Clear.	Clear.	3.7	
22	29.88	32	26	23.	27.	33.4	23.	10.4	66	53	68	62.3	W	2	N	12	N	3	160	21	0	Clear.	Clear.	Clear.	3.3	
23	29.99	20	29.	22	23.7	30.2	18.1	12.1	77	62	77	63.7	W	2	N	12	N	4	4	260	21	0	Clear.	Cloudy.	Cloudy.	7.0
24	29.87	18	29.	23	23.3	30.7	10	14.7	79	60	89	81.7	N	12	N	11	N	E	6	245	18	0	Fair.	Cloudy.	Cloudy.	8.0
25	29.86	21	32	28	27.	34.5	15.8	18.7	86	63	89	87.	N	12	N	11	N	E	9	210	14	.05	Clear.	Cloudy.	Cloudy.	6.7
26	29.97	20	28	26	24.7	28.2	18.9	9.3	93	79	83	86.3	N	12	N	11	N	E	3	130	12	.31	Cloudy.	Cloudy.	Cloudy.	6.3
27	30.16	22	34	25	27.	35.3	20.5	14.8	92	79	67	86.3	N	6	S	30	N	E	18	346	48	0	Rain.	Rain.	Rain.	9.3
28	29.64	33	49	31	37.7	49.2	23.4	20.4	84	95	77	66	W	24	W	24	W	14	12	468	30	0	Fair.	Fair.	Fair.	7.0
29	29.92	15	19	17	17.	34.4	14.	20.8	81	52	63	65.3	W	9	W	14	N	E	10	64	20	.01	Clear.	Cloudy.	Cloudy.	10.0
30	30.29	17	21	12	16.7	22.6	12.	10.6	80	72	94	82.	N	5	S	2	N	E	9	120	9	.01	Cloudy.	Cloudy.	Snow.	5.9
Month	30.08	29.	36.9	31.8	32.6	39.6	25.4	14.1	84	73.3	79.	78.2	N	8.5	NE-W 10.2	N E	8.1	208.4	20.1	3.09	Total.	3.09	3.09	Indicated average of rain (all)		

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean)	COOL. RAINFALL. (Inches and rooths).
Monthly Mean, 30.08 inches.	Monthly Mean, 32.6 degrees.	Prevailing direction, North.	Total number of days on which 40 in. or more precipitation occurred, 14.	1873--32.3 deg.	1873--44.1 1883--3.85
Highest, 30.44 in.; Date, 1st.	Highest, 55.5 deg.; Date, 1st.	Mean hourly velocity, 8.7 m.	*Greatest 24 hour precipitation, 14.	1874--33.2 "	1874--2.83 1884--6.41
Lowest, 29.61 in.; Date, 13th.	Lowest, 7.5 deg.; Date, 1st.	Max. hourly velocity and direction, 42.0 miles N E; Date, 18th.	(in. and rooths) 0.81; Date, 25th; Total monthly precip. 1877--38.0 "	1885--31.9 "	1875--1.39 1885--3.31
Monthly range, 1.83.	Absolute range, 48 degrees.	Total monthly movement, 6.460 miles.	Total depth of snow fall (inches and rooths), 3.99.	1886--27.3 "	1876--2.38 1886--3.47
	Greatest daily range, 25.8 deg.; Date, 28th.	Least daily range, 4.7 deg.; Date, 1st.	Total excess or deficiency of precipitation, since Jan. 1 — 5.29.	1887--32.6 "	1877--1.46 1887--3.09
	Mean daily range, 14.1 degrees.	Mean daily range, 14.1 degrees.		1888--	1878--5.50 1888--
	Total excess or deficiency since Jan. 1 = -390 degrees.	Total excess or deficiency since Jan. 1 = -390 degrees.		1889--	1879--4.41 1889--
				1890--	1880--3.49 1890--
				1891--	1881--4.75 1891--
				1892--	1882--2.99 1892--

Monthly mean humidity, 78.8 per cent. Monthly mean dew point, 56.3. Number of clear days, 6. Number of cloudy days, 8.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea level and temperature of 32. ‡ Elevation of thermometers above the ground, 113 feet;  
 Elevation of rain and snow gauges, 103 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount  
 water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. ‡ Humidity relative, saturation being 100. § Maximum velocity in any hour  
 from Midnight to Midnight.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JANUARY, 1888.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing An- nual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 to total mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Ner- vous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport.....	42,000	56	19	15	26.4	—	—	2	—	6	—	—	—	—	—	—	—	—	7	8	3	9	6	—	15	5
Bristol.....	6,500	70	18.4	28	40	—	1	—	—	—	1	—	—	—	—	—	—	1	3	3	2	3	1	—	5	
Danbury.....	17,500	24	16.5	8.4	33.3	—	—	—	—	2	—	—	—	1	—	—	—	4	2	2	1	3	1	—	1	
Derby.....	15,500	20	15.5	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	2	1	2	1	—	—	—	
Enfield.....	7,000	11	18.8	1	9	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	1	2	—	—	—	
Greenwich.....	8,000	7	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	—	—	—	—	
Groton.....	5,150	6	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hartford.....	50,000	76	15.8	20	26.3	—	1	2	2	2	—	2	1	—	—	—	1	1	5	12	3	10	6	2	28	7
Killingly.....	7,000	10	17.1	1	10	—	2	—	—	—	—	—	—	—	—	—	—	—	1	2	1	—	—	—	—	
Manchester.....	7,200	10	16.6	5	50	—	1	1	1	2	—	—	—	—	—	—	—	—	4	2	1	2	1	—	—	
Merriden.....	22,000	23	12.5	6	27.8	—	—	—	—	—	—	—	2	—	—	—	—	—	1	2	—	—	—	—	—	
Middletown.....	12,000	27	19	5	14.8	—	1	—	—	2	—	—	—	—	—	—	—	—	5	2	1	1	1	—	—	
Naugatuck.....	6,000	8	16	3	37.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	1	1	—	—	
New Britain.....	18,000	38	25	16	42.1	—	9	—	4	1	—	—	—	—	—	—	—	2	3	3	2	5	—	9	—	
New Britain.....	80,000	139	18.6	39	28.2	—	1	—	—	—	6	—	2	1	—	—	—	1	24	21	14	18	9	4	30	8
New Haven.....	13,000	17	15.7	2	11.8	—	—	—	—	2	—	—	—	—	—	—	—	—	3	1	1	1	—	—	3	
New London.....	16,000	16	12	3	18.8	—	—	—	1	—	—	—	—	—	—	—	—	—	1	3	1	—	—	—	—	
Norwalk.....	16,000	17	15.7	2	11.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Norwich.....	25,000	38	18.2	6	15.8	—	2	1	1	1	—	—	—	—	—	—	—	—	8	6	2	5	3	10	2	
Putnam.....	6,800	8	14.1	3	37.7	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	1	1	—	—	
Southington.....	5,500	8	17.4	1	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	—	—	—	—	—	
Stamford.....	14,000	25	21.4	8	32	—	—	—	4	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
Stonington.....	7,500	11	17.6	1	9	—	—	—	5	—	—	—	—	—	—	—	—	—	3	1	—	3	4	2	8	
Stratford.....	5,600	12	15	1	8.3	—	1	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	
Vernon.....	8,000	13	19.5	4	39.7	—	—	—	1	—	—	—	—	—	—	—	—	—	6	1	—	5	4	1	4	
Wallingford.....	5,500	8	17.4	1	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	
Waterbury.....	30,000	44	17.6	20	45.4	—	3	—	11	—	—	—	1	—	—	—	—	—	5	6	1	2	—	18	3	
Winchester.....	5,650	6	12.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
Windham.....	10,000	15	18	3	20	—	—	—	1	—	—	—	—	—	—	—	—	—	5	3	—	3	—	—	—	
Total of twenty-eight of the above towns reporting.....	454,400	686	18	168	24.3	1	2	20	9	54	8	2	9	3	2	3	6	3	95	93	33	76	46	20	201	39
One hundred and eight other towns of less than 5,000 inhabitants report the following mortality.....	218,378	329	18	36	10.9	—	1	8	7	13	1	5	1	3	3	3	1	1	33	40	5	43	46	20	94	8
Total reported from 136 towns.....	672,778	1015	18	204	20	1	3	28	16	67	9	7	10	6	5	6	7	4	128	133	38	119	92	40	295	47
Population of 29 towns in which were no deaths.....	40,622	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Population of town not reporting.....	2,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total estimated population of State.....	715,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\* The Mortality in Public Institutions of the State were: in Hartford, 10; in Middletown, 8; in New Haven, 15; and in Stratford 5. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in January: Andover, Ashford, Barkhamsted, Beacon Falls, Bethel, Bolton, Bozrah, Colebrook, Coventry, Durham, Franklin, Hartland, Killingworth, Lyme, Madison, Marlborough, Middlebury, Middlefield, New Fairfield, Norfolk, North Stonington, North Canaan, Plainfield, Rocky Hill, Scotland, Southbury, Trumbull, Willington, Woodbridge, Woodstock—30.

The Registrar of Essex has made no report for January.

# REMARKS.

In addition to the above reports of Mortality, this office is in receipt of twenty-six other reports from Sanitary Correspondents, in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Ashford.**—Only colds and Rheumatism.—*Dr. Simmons.*

**Avon.**—One case of Diphtheria.—*Dr. Alcott.*

**Bethel.**—Pneumonia and bronchitis among adults and intestinal diseases in children.—*Dr. Lyon.*

**Bloomfield.**—Principal disease bronchitis with few cases of diphtheria.—*Dr. Gray.*

**Bridgeport.**—A large number of fractures from falls on the ice. Pneumonia and bronchitis frequent ; and among children, scarlet fever and diphtheria.—*Dr. Wordin.*

**Canaan.**—Diphtheria, scarlet fever, measles and pneumonia.—*Dr. Wilcox and Dr. Carter.*

**Derby.**—Whooping cough increasing. Mumps are booming. There are a few fatal cases of scarlet fever, and one fatal case of small pox. Troubles of the air passages are plentiful.—*Dr. Welch.*

**East Haddam.**—With the exception of two cases of diphtheria there is nothing of note to mention.—*Dr. Bell.*

**Griswold.**—Colds very common and several pneumonias, and a number of cases of diphtheria.—*Dr. Jennings.*

**Haddam.**—The healthy condition of the town continues. Very little of the common troubles of the air passages, less malaria and no sickness to mention.—*Dr. Hazen.*

**Hartford.**—The common disorders of the season, but less scarlet fever and diphtheria.—*Dr. Knight.*

**Hebron.**—Nothing to mention except a few cases of scarlet fever, resulting from the contagion of sore throat in a person coming from New Britain.—*Dr. Pendleton.*

**Madison.**—Seasonable throat troubles, one of which was a mild case of diphtheria.—*Dr. Webb.*

**Manchester.**—The chief disorders concern the air passages, generally mild. A few cases of non-fatal diphtheria and half a dozen cases of severe winter cholera.

I have noted cases of typical malaria all through the winter. In those persons confined to the house most of the time, the severe cold of the past two weeks has had apparently little effect in subduing it, and I am noting fresh cases every few days among old people and children who are but little out of doors, showing conclusively to my mind that the germs of the disease are housed and lodged alongside of us, and that the most of our houses, which are constantly warmed, do not reach a temperature low enough to insure their destruction. In no other way can I account for the fact that in those people having malaria during the summer and fall, those whose occupations keep them out of doors are relieved of it with the coming of severe cold weather, while those who are mostly confined to the house continue to suffer from it.—*Dr. R. M. Griswold.*

**Meriden.**—No epidemic. Coughs and colds. Little typhoid fever, less malaria. Ordinary children's diseases conspicuous by their absence.—*Dr. Nickerson.*

**New Hartford.**—A very healthy month. Zymotic disease is rare. Catarrhal and intestinal disorders most frequent.—*Dr. Burwell.*

**Norwich.**—An occasional case of scarlet fever, besides pneumonia and bronchitis.—*Dr. Paddock.*

**Ridgefield.**—No contagious diseases. Catarrhal troubles chiefly.—*Dr. Todd.*

**Roxbury.**—A few cases of mumps.—*Dr. Pons.*

**Salem.**—Rheumatism and toothache. Little sickness in the latter half of the month.—*Dr. Congdon.*

**Suffield.**—As sickly as December was healthy. Mostly bronchitic affections with a dozen or more cases of pneumonia in severe form, almost epidemic—as I think of malarial origin.—*Dr. Mason.*

**West Hartford.**—Scarlet fever epidemic, one fatal case. Another complicated with diphtheria which recovered. About a dozen cases all told.—*Dr. Smith.*

**Westport.**—Whooping cough epidemic. One of the public schools closed in consequence. Two families poisoned with coal gas during the month.—*Dr. Day.*

**Wethersfield.**—Pneumonia and bronchial affections.—*Dr. Warner.*

**Wilton.**—Whooping cough and bronchial troubles, with some cases of erysipelas.—*Dr. Gorham.*

**Woodstock.**—Pneumonia and continued fevers. Diphtheria has prevailed mildly, also whooping cough.—*Dr. Lowe.*

The deaths reported in January numbered 1015, representing an annual death rate of 18 per 1000 of population. Every town in the State has reported the mortality excepting Essex, from which town only two monthly reports have been received during the eight months that this Bulletin has been published.

This is a larger death-rate than in any month since August. The increase is mostly in deaths from pulmonary diseases, pneumonia causing 133 deaths and bronchitis 38. Scarlet fever is still prevailing throughout the State and has been more fatal since the extreme low temperature. Diphtheria, too, maintains more than its average claim on children's lives, killing 67 in January, and only 56 in December. Cerebro-spinal fever has also increased its fatality to 16 victims. Typhoid fever, however, has proved less fatal, causing but 10 deaths against 22 of the preceding month.

Below is a statement showing how extensively these diseases respectively have prevailed throughout the State :

**Scarlet Fever.**—Bridgeport, Bristol, Brooklyn, Canaan, Derby, Hartford, Hebron, Killingly, Litchfield, Manchester, New Britain, New Haven, Norwich, Stratford, West Hartford.

**Diphtheria and Croup.**—Avon, Branford, Bridgeport, Bristol, Canaan, Canton, Cromwell, Danbury, Derby, East Haddam, Fairfield, Griswold, Hartford, Killingly, Madison, Manchester, Meriden, Middletown, Naugatuck, New Britain, New Haven, New London, Norwalk, Norwich, Old Saybrook, Salisbury, Stafford, Stamford, Stonington, Vernon, Waterbury, Windham, Woodstock.

**Typhoid Fever.**—Hartford, Killingly, Meriden, New Haven, Southington, Waterbury.

**Pneumonia.**—Bethel, Bridgeport, Bridgewater, Bristol, Brooklyn, Canaan, Colchester, Danbury, Derby, East Hartford, East Lyme, Enfield, Fairfield, Glastonbury, Greenwich, Griswold, Groton, Guilford, Hartford, Kent, Killingly, Manchester, Meriden, Middletown, New Britain, New Haven, Norwalk, Norwich, Orange, Plainville, Plymouth, Putnam, Salisbury, Southington, Stamford, Stratford, Suffield, Vernon, Wallingford, Waterbury, Wethersfield, Woodstock.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, February 15, 1888.







# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF FEBRUARY, 1888.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of February, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport,.....	42,000	54	12.4	14	25.9	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	1	10	3	9	3	9	3	2	11	5
Bristol,.....	6,500	10	18.4	4	40.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Danbury,.....	17,500	21	14.4	7	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Derby,.....	15,500	17	13.1	4	23.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Enfield,.....	7,000	13	22.2	4	30.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Greenwich,.....	8,000	12	18.	4	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Groton,.....	5,150	8	16.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Hartford,.....	50,000	101	20.1	20	18.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Killingly,.....	7,000	15	25.7	2	13.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Manchester,.....	7,200	17	28.3	2	11.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Meriden,.....	22,000	16	8.7	3	18.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Middletown,.....	12,000	19	12.	2	10.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Naugatuck,.....	6,000	10	20.	2	20.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Britain,.....	18,000	49	32.6	20	46.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Haven,.....	80,000	159	21.3	49	31.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New London,.....	13,000	23	21.2	5	16.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Norwalk,.....	6,000	25	12.5	4	16.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Norwich,.....	25,000	28	13.4	9	32.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Punam,.....	6,800	10	17.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Southington,.....	5,500	6	13.	2	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stamford,.....	14,000	19	16.2	2	10.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stonington,.....	7,500	8	12.8	1	12.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stratford,.....	5,600	9	15.	3	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Vernon,.....	8,000	6	9.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Wallington,.....	5,500	5	10.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Waterbury,.....	30,000	55	22.	25	27.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Winchester,.....	5,650	7	14.8	1	14.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Windham,.....	10,000	13	15.6	4	30.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total of twenty-eight of the { above towns reporting,.....	454,400	735	19.5	183	24.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
One hundred and fourteen other towns of less than { 5,000 inhabitants report the following mortality:--	236,255	362	18.2	60	16.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total reported from 142 towns,.....	690,655	1097	19.6	243	22.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Population of 25 towns in which were no deaths,.....	24,745	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Population of town not reporting,.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total estimated population of State,.....	715,400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

\* The Mortality in Public Institutions of the State were: in Hartford, 17; in Middletown, 7; in New Haven, 16; and in Stratford 2. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in February: Beacon Falls, Bethlehem, Bloomfield, Bozrah, Chaplain, Columbia, Cornwall, Eastford, East Haddam, Ellington, Franklin, Goshen, Harwinton, Killingworth, Lisbon, Marlborough, Middlebury, North Haven, Prompter, Salem, Trumbull, Warren, Westbrook, Wolcott, Woodbridge,—25.

Every Registrar in the State has reported.



# REMARKS.

In addition to the above reports of Mortality, this office is in receipt of twenty-six other reports from Sanitary Correspondents, in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Ashford.**—Only bronchial troubles.—*Dr. Simmens.*

**Avon.**—Bronchitis and pneumonia; also one case of scarlet fever. *Dr. Alcott.*

**Bethel.**—Bronchitis of severe type and pneumonia.—*Dr. Lyon.*

**Bloomfield.**—Acute bronchitis, very severe, and two mild cases of diphtheria, not traceable to any special cause.—*Dr. Gray.*

**Canaan.**—Catarrhal affections and much sickness among old people—very little among children.—*Drs. Carter and Wilcox.*

**Griswold.**—Pneumonia more frequent, some malaria and a few cases of mumps.—*Dr. Jennings.*

**Chester.**—Bronchitis and pneumonia, and more malarial chills this winter than usual.—*Dr. Turner.*

**Clinton.**—Have attended seven cases of diphtheria, of which two were malignant and proved fatal.—*Dr. Webb.*

**Haddam.**—This month has been healthy, keeping up the reputation of the past winter as the healthiest for many years. There has been some pneumonia and catarrhal and croupal affections.—*Drs. Hazen and Smith.*

**Hebron.**—No pneumonia. Some bronchitis and two cases of scarlet fever.—*Dr. Pendleton.*

**Madison.**—Only coughs and throat troubles, and one case of diphtheria.—*Dr. Webb.*

**Meriden.**—Chiefly catarrhal affections of the air passages. A few cases of croup; one successful tracheotomy by Dr. Howland. Some mild diphtheria.—*Dr. Nickerson.*

**New Haven.**—Has been an unusually large mortality. The excess was mostly due to acute diseases of the lungs. The deaths from pneumonia were more than twice the average number in February during the last five years. There were five deaths from measles, and scarlet fever, cerebro-spinal fever, diphtheria, whooping-cough and typhoid fever have all had their victims.

**Norwalk.**—Six cases of diphtheria and two of scarlatina were reported in February. No measles or typhoid reported. The other troubles were chiefly bronchial.—*Dr. Gregory.*

**Portland.**—We have acute articular rheumatism, some malarial trouble and bronchitis. Among children, croup.—*Dr. Gardner.*

**Ridgefield.**—Only one case of pneumonia, but catarrhal affections of the pulmonary organs abound.—*Dr. Todd.*

**Salem.**—The current troubles are colds. A dislocation of the hip-joint has occurred, from a blow on the shoulder.—*Dr. Congdon.*

**Stamford.**—The general health is good, less pneumonia than in any previous winter of such severity. Occasional cases of scarlatina, much trouble with throats and some coughs. Diphtheria cases few and far apart.—*Dr. Rogers.*

**Suffield.**—The prevailing diseases in February were pneumonia, bronchitis, rheumatism, neuralgia and diarrhoea.—*Dr. Mason.*

**Waterbury.**—Diphtheria has almost entirely disappeared. There have been only ten cases reported, with three deaths, and one death from membranous croup. Pneumonia has been prevalent, causing six deaths.—*Dr. Frost.*

**Wethersfield.**—Some cases of pneumonia, but colds and sore throat are common. Two cases of scarlet fever imported from Minneapolis.—*Dr. Warner.*

**West Hartford.**—No new cases of scarlet fever since the last report. The prevailing diseases are catarrhal affections of the lungs and bowels.—*Dr. Smith.*

**Westport.**—Whooping-cough is epidemic, with several deaths of

infants resulting. Pneumonia, bronchitis, diphtheria, scarlatina and malarial fevers are found among us.—*Dr. Day.*

**Windham.**—Influenza is epidemic. Pneumonia and malarial fevers prevail.—*Dr. Fox.*

**Wilton.**—Only bronchitis and rheumatism among adults; among children, colds and whooping-cough.—*Dr. Gorham.*

The deaths reported in February numbered 1,097, representing an annual death rate of 19.6 per 1,000 of the population. The deaths in January were only 1,015 with a death rate of 18. per 1,000, showing a considerably greater mortality in the month of February than in the previous month.

The general health of the State was not as good in February as in the month before. From almost every town the reports indicate an unusual prevalence of diseases of the respiratory organs, and of the fatal forms, especially pneumonia and bronchitis, while the milder catarrhal affections everywhere abound. Compare the mortality in February with that in January from the two diseases above named.

**Scarlet Fever.**—Is still prevailing very generally through the State, and is reported from the following towns: Avon, Bristol, Canton, Cromwell, Hartford, Hebron, Killingly, New Haven, Norwalk, Stamford, Thompson, Torrington, Waterbury, Wallingford, Westport and Wethersfield with 15 deaths against 28 in January.

**Diphtheria and Croup.**—Had also a reduced mortality, though still widely prevalent. These were reported from Bloomfield, Bridgeport, Bristol, Clinton, Danbury, Enfield, Glastonbury, Hartford, Madison, Meriden, Naugatuck, New Britain, New Haven, New London, Norwalk, Norwich, Portland, Putnam, Salisbury, Stamford, Stratford, Voluntown, Waterbury, Watertown and Westport, with 40 deaths against 67 in January.

**Typhoid Fever.**—Was reported from Killingly, Middletown, Norfolk, Portland, Southington and Washington.

## TO THE REGISTRARS.

For the first time since these monthly bulletins have been issued, reports have been received at this office from every town in the State.

The Secretary has also to thank the Registrars for greater promptness in making their returns than on any former occasion. Of the 167 Registrars in Connecticut, only 10 failed to mail their reports on or before the 7th of March. Even of those 10 subsequent correspondence revealed the fact, that two of them had mailed their reports earlier, but they had miscarried through some fault in the postal service. Every month one or more reports miscarry, and the Secretary often receives in the same mail a report obtained by special request, and its duplicate mailed several days before. This difficulty cannot be helped either by the Registrars or the Secretary, and the facts are mentioned in the hope that Registrars will be prompt to respond to the Secretary's "reminder," even if they have already sent their report.

The Secretary very much desires to issue the bulletin as early as the 10th of each month, and could as well do so as at a later date if he could promptly receive the reports within the time prescribed by law. But inasmuch as very little can be done in making up the tabular statements until all the reports are in, the few tardy Registrars delay its publication generally until the 15th, and often until later.

With most Registrars the neglect is unintentional, due to forgetfulness. The suggestion is gratuitous, that every Registrar should put up in some very conspicuous place in his office a reminder that the monthly mortality statement must be sent to the Secretary of the State Board of Health on or before the 7th of the month.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, March 15, 1888.

# METEOROLOGICAL REPORT FOR THE MONTH OF FEBRUARY, 1888.

J. H. SHERMAN, SERG'T SIG. CORPS, OBSERVER.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION. Inches and Snow.	CHARACTER OF WEATHER.			Average cloudiness, to represent- ing totality.
	Daily Mean.	10 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	7 A. M.	3 P. M.	Direction.	Vel.	Daily Movement.	Max. Velocity.		7 A. M.	3 P. M.	10 P. M.	
1 30.21	21.	23.	21.	30.6	10.	20.6	80	43	N	8	N	12	0	Clear.	Clear.	Clear.	0.0
2 30.29	22.7	27.	22.7	32.1	16.8	15.3	87	55	NW	1	NW	9	0	Clear.	Clear.	Clear.	0.0
3 30.25	24	27.	24	32.1	19.5	18.6	79	57	NW	6	NW	9	0	Cloudy.	Clear.	Clear.	3.7
4 30.05	31.	40.	31.	43.5	16.6	26.9	70	100	SE	7	SE	7	.61	Cloudy.	Rain.	Rain.	10.0
5 30.05	41.	46.	41.	48.2	37.6	10.6	98	70	NW	5	NW	5	.25	Foggy.	Cloudy.	Threat g.	6.3
6 30.08	41.	46.	41.	48.2	37.6	10.6	98	70	NW	5	NW	5	.25	Foggy.	Cloudy.	Threat g.	6.3
7 30.03	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
8 30.06	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
9 30.03	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
10 30.08	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
11 30.08	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
12 30.16	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
13 30.16	44.	48.	44.	50.5	40.5	10.0	79	80	NW	14	NW	14	.04	Fair.	Cloudy.	Cloudy.	10.0
14 30.04	30.	38.	30.	38.7	27.	21.7	79	51	NW	30	NW	30	.0	Clear.	Clear.	Clear.	2.7
15 30.37	20.	12.	20.	38.5	2.	36.5	62	45	NW	13	NW	13	.0	Clear.	Clear.	Clear.	2.3
16 30.38	0.	16.	0.	16.5	-0.5	17.	71	48	SE	2	SE	2	.0	Clear.	Clear.	Clear.	2.3
17 29.90	19.	40.	32.	30.3	40.8	28.5	74	62	NW	12	NW	12	.0	Clear.	Clear.	Clear.	2.3
18 30.04	28.	40.	32.	33.3	40.8	28.5	74	62	NW	12	NW	12	.0	Clear.	Clear.	Clear.	2.3
19 30.32	25.	36.	32.	31.	36.4	24.5	71	95	NW	2	NW	2	.0	Clear.	Clear.	Clear.	2.3
20 29.95	43.	45.	46.	42	46.	31.5	62	60	NW	10	NW	10	.10	Clear.	Clear.	Clear.	2.3
21 30.08	43.	45.	46.	42	46.	31.5	62	60	NW	10	NW	10	.10	Clear.	Clear.	Clear.	2.3
22 30.27	29.	38.	32.	32.3	39.4	26.2	79	58	NW	5	NW	5	.0	Clear.	Clear.	Clear.	2.3
23 30.27	29.	38.	32.	32.3	39.4	26.2	79	58	NW	5	NW	5	.0	Clear.	Clear.	Clear.	2.3
24 30.24	31.	40.	33.	34.	43.8	43.2	86	80	NW	3	NW	3	.0	Clear.	Clear.	Clear.	2.3
25 29.75	36.	38.	34.	37.7	47.	34.	88	46	NW	10	NW	10	.0	Clear.	Clear.	Clear.	2.3
26 29.70	35.	44.	34.	37.7	47.	34.	88	46	NW	10	NW	10	.0	Clear.	Clear.	Clear.	2.3
27 29.85	25	32.	18.	25.	35.3	10.5	81	47	NW	8	NW	8	.0	Clear.	Clear.	Clear.	2.3
28 30.24	11.	17.	16.	14.7	19.	8.5	71	51	NW	5	NW	5	.0	Clear.	Clear.	Clear.	1.0
29 30.31	16.	32.	26.	24.7	34.	20.5	75	51	NW	5	NW	5	.0	Clear.	Clear.	Clear.	1.0
Month	30.083	23.6	27.4	27.8	36.3	17.	81.4	65.4	N	8.4	NW	10.5	7.	203.	19.3	4.9	

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL.	
	Monthly Mean.	Daily Mean.	Prevailing direction.	North.	Total number of days on which (1) in- crease precipitation occurred, 10.	North.	1873--27.6 deg.	1874--37.7 deg.	1875--37.7 deg.	1876--37.7 deg.
Monthly Mean, 30.083 inches.	Monthly Mean, 27.8 degrees.	Monthly Mean, 27.8 degrees.	Prevailing direction, North.	North.	10.	1874--28.0	1875--28.0	1876--28.0	1877--28.0	1878--28.0
Highest, 30.60 in.; Date, 10th.	Highest, 48.7 deg.; Date, 10th.	Highest, 48.7 deg.; Date, 10th.	Max. hourly velocity, 8.5 m.	Max. hourly velocity and direction, 48 miles East; Date, 25th.	10.	1879--28.0	1880--28.0	1881--28.0	1882--28.0	1883--28.0
Lowest, 29.54 in.; Date, 8th.	Absolute range, 50.2 degrees.	Absolute range, 50.2 degrees.	Total monthly movement, 5,894 miles.	Total monthly movement, 5,894 miles.	10.	1884--28.0	1885--28.0	1886--28.0	1887--28.0	1888--28.0
Monthly range, 1.06.	Least daily range, 8.5 deg.; Date, 15th.	Least daily range, 8.5 deg.; Date, 23th.	Mean daily range, 17.0 degrees.	Total excess or deficiency since Jan. 1 = -25.6 degrees.	10.	1889--28.0	1890--28.0	1891--28.0	1892--28.0	1893--28.0

Monthly mean humidity, 74.4 per cent. Monthly mean dew point, 20.2. Number of clear days, 8. Number of cloudy days, 9.  
 NOTES.—Observations taken on the 75th Meridian time. Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 103 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. † Humidity relative, saturation being 100. ‡ Maximum velocity in any hour from Midnight to Midnight.

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MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF APRIL, 1888.



# ABSTRACT OF REPORTS OF MORTALITY

and its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of April, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridport,.....	42,000	70	20.	24	34.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Bristol,.....	6,500	9	16.6	3	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dorchester,.....	17,500	28	19.2	6	21.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Devon,.....	15,500	20	15.4	4	20.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Exeter,.....	7,000	13	22.2	4	30.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Greenwich,.....	8,000	14	21.	2	14.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Groton,.....	5,150	9	20.9	1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Harford,.....	50,000	101	21.6	17	18.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Killingly,.....	7,000	12	15.4	3	25.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Manchester,.....	7,200	17	28.3	4	23.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Middleton,.....	22,000	23	12.5	6	26.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Middleton,.....	12,000	31	16.	7	43.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Naugatuck,.....	6,000	8	16.	4	50.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
New Britain,.....	18,000	26	17.3	3	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
New Haven,.....	80,000	146	20.4	45	33.	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
New London,.....	13,000	18	16.6	3	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Norfolk,.....	16,000	24	18.	7	29.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Norwich,.....	25,000	33	15.7	6	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Putnam,.....	6,800	12	21.1	4	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Southington,.....	5,500	9	17.8	6	60.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Stamford,.....	5,500	16	13.7	4	25.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Stonington,.....	7,500	20	32.	4	20.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Stratford,.....	5,000	15	21.4	2	28.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Vernon,.....	8,000	7	10.5	1	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Wallingford,.....	5,500	8	18.	1	31.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Waterbury,.....	30,000	44	17.	14	31.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Winchester,.....	50,500	9	19.	6	31.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Windham,.....	10,000	11	13.2	6	54.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total of twenty-eight of the above towns reporting,.....	454,400	753	19.8	190	25.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
One hundred and seventeen other towns of less than 5,000 inhabitants report the following mortality:—	235,030	303	18.5	58	15.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total reported from 144 towns,.....	689,430	1116	19.4	248	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Population of 21 towns in which were no deaths,.....	23,514	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Population of 2 towns not reporting,.....	2,450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total estimated population of State,.....	715,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

\* The Mortality in Public Institutions of the State were: in Hartford, 11; in Middletown, 15; in New Haven, 10; and in Stratford 5. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in April: Avon, Beacon Falls, Bloomfield, Bozrah, Chatham, Colebrook, Columbia, Eastford, East Haven, Ellington, Hampton, Hartland, Killingworth, Middlebury, North Haven, Old Saybrook, Scotland, Sharon, Simsbury, Warren, Weston,—21.

The Registrars of the following towns have made no report for April: New Fairfield, Norfolk,—2.



# REMARKS.

In addition to the above reports of mortality, this office is in receipt of 31 other reports from sanitary correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received. These indicate that the general health of the State as a whole is scarcely better than at the issue of the last Bulletin, the death rate being 19.4 as against 19.6 in March, although there were 21 towns reporting no deaths against 14 in March. Whatever diminished mortality there is, is almost wholly in the small towns.

The prevalent diseases are still those of the air passages. The season has been backward. The Meteorological tables show that the month of April was unusually cold and wet, which conditions were no doubt active factors among the causes of mortality. The mortality from Pneumonia was notably smaller than in the previous month, being 139 against 218. Bronchitis was fatal equally in both months.

## SMALL POX.

In the last "BULLETIN" it was stated, that although official information had been received of the occurrence of Small-pox in twelve States of the Union, including all the States lying nearest our own, yet no notice had been received at that time of its presence in Connecticut. This was mentioned as a warning that our State was not exempt from danger, and the ink was not dry on the printed page before a case in the person of Mrs. D. was reported in New Haven. Upon investigating its origin, it was discovered that two previous cases of Varioloid had already run their course and were convalescent, in the person of a man, and, two weeks later, of his wife, living in the same house with Mrs. D. These two cases had not been reported to the health board although they had each been consecutively attended by the same doctor, who thought they were Measles, and so declared them to the neighbors. The saddest part of the whole matter is, that Mrs. D., not fearing Measles, which she supposed her fellow-tenants had, kindly proffered her assistance in the personal care of the wife, and, never having been vaccinated, took Small-pox in the confluent form, and has since died. Her little daughter, six years old, also took it and died early in May; and still another woman, whose kindness to the first cases by personal aid exposed her to the contagion, and she is at this writing likely to survive an attack which would probably have been also fatal if it had not been modified by a vaccination which was performed as soon as possible after it was known that she had been so exposed. There were five cases in all, with two deaths.

There are two obvious lessons to be drawn from this sorrowful experience. One, the solemn responsibilities of every one who assumes the duties of a physician, and dares, without every reasonable preparation, to take the lives of his fellow-citizens in his keeping. The other lesson is the equally great responsibility of heads of families who recklessly neglect the easy and perfectly harmless protection afforded by vaccination when properly performed.

Besides the five cases in New Haven, there have been reported, one in Bridgeport, imported from New York, and one in Thompsonville; but being promptly reported to their respective health boards, no contagion from either of them was permitted.

## SCARLET FEVER

Is reported much less frequently than in March. It is mentioned in the reports from only 9 towns, as against 18 in the month before. The following is the list: Bridgeport, Hartford, Meriden, New Haven, North Canaan, Norwalk, Torrington, Westport and Windham; with only 9 deaths, as against 16 in March.

## DIPHTHERIA AND CROUP.

The following towns have reported the presence of one or both of the above: Bridgeport, Clinton, Cromwell, Danbury, East Hartford, Griswold, Groton, Haddam, Hartford, Manchester, Meriden, New Haven,

Norwalk, Plainfield, Plainville, Stafford, Stamford, Stonington, Wallingford, Waterbury and West Hartford; 21 towns with 39 deaths, precisely the mortality of the previous month. The mortality from Diphtheria in New Haven was unusually large; in most other places in the State it has diminished. The disease was quite prevalent in certain localities in the city, and still continues so, and there has been no energetic and systematic effort to control it. The sanitary administration of New Haven is peculiar, and in such times, in the immediate presence of contagious diseases, may be called critical.

Incredible as it must seem to the sanitary authorities of other cities, no law exists in the Town or City of New Haven, requiring the occurrence of dangerous contagious diseases to be reported to the Board of Health. It is still more remarkable that the Board of Health of New Haven is wanting in the authority (possessed by every other local Board of Health in Connecticut) to enforce such precautions against the spread of contagion as are necessary to protect the public. Hence it happens, when outbreaks of infectious diseases occur, only such protective measures are observed as may be undertaken voluntarily by the parties directly concerned. It is therefore not surprising that little local epidemics in the city, as the recent ones of Small-pox and Diphtheria, get well established before the Board of Health hears of them; and then it can only attempt by proffered advice and some assumption of authority to correct or arrest them.

Even public funerals of the dead from Diphtheria, in private houses, attended by children without restriction, are not uncommon in New Haven, and the Health Board has no power to prohibit them.

The Board have not the power to compel the disinfection of houses, after contagious diseases, or the means to provide for the isolation of the sick.

The administration of public hygiene under such restrictions can only be a pretence and a sham, which endangers not only the public health of New Haven but of the State at large, indeed, of all who have intercourse with the city.

When it is considered that NOTIFICATION OF INFECTIOUS DISEASES, ISOLATION OF THE SICK AND DISINFECTION, are the three great reliable means of limiting and controlling epidemics, it will be understood how much the Board of Health of New Haven is paralyzed, and how feeble and futile its efforts must be without these means at its command.

## TYPHOID FEVER

Was reported from only 11 towns in the State viz: Greenwich, Middletown, New Haven, Orange, Stratford, Thompson, Waterford, Watertown, West Hartford, Wethersfield, and Windham, with only 12 deaths in the whole State.

MEASLES and also WHOOPING COUGH were each reported as mildly epidemic in a few places. There were 4 deaths from the former and 6 from the latter.

CONSUMPTION had 150 victims, being the largest number from any single cause of death.

"THE BLIZZARD," is spoken of as an influence prejudicial to the public health, the effects of which appear still evident in Bridgeport, Coventry, New Hartford and West Hartford.

## FORGETFUL REGISTRARS.

It is to be regretted that the reports are not complete. Two towns are wanting. One has made no report, and the other sent one without signature or name of the Town upon it, and the postmark is illegible.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1888.

# METEOROLOGICAL REPORT FOR THE MONTH OF APRIL, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERGE'T SIG. CORPS, OBSERVER.

DATE.	Barom-eter. <sup>†</sup>	TEMPERATURE. <sup>‡</sup>					RELATIVE HUMIDITY. <sup>§</sup>					WIND.					PRECIPITATION. <sup>*</sup>	CHARACTER OF WEATHER.			Average cloudi-ness, to represent-ing totality.									
		Daily Mean.	A. M.	3 P. M.	10 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	7 A. M.	3 P. M.	10 P. M.	Daily Mean.	7 A. M.	3 P. M.	10 P. M.		Direc-tion.	Vel.	Direc-tion.		Vel.	Direc-tion.	Vel.	Daily Move-ment.	S. Veloc-ity.	Am't, inc. mel. Snow Inches and frosts.	7 A. M.	3 P. M.	10 P. M.
1	30.55	31.	46.	38.	38.3	40.9	35.1	23.6	90	51	83	74.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	29.64	36.	58.	41.	45.	58.7	35.1	16.9	95	64	68	75.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	30.17	35.	45.	34.	38.	45.7	33.4	11.4	72	58	58	58.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	30.40	33.	44.	40.	39.	46.	30.3	15.7	73	60	88	73.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	30.15	34.	43.	46.	41.	46.	31.4	14.6	92	92	100	94.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	29.93	44.	59.	48.	49.7	60.2	40.2	20.	90	96	75	74.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	30.34	44.	48.	32.	38.	50.2	34.5	18.7	50	35	60	50.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	30.32	39.	38.	36.	38.	40.	28.4	14.6	57	50	44	49.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	30.26	32.	42.	32.	38.	45.	23.9	19.4	76	38	71	70.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	30.26	35.	39.	44.	38.	41.5	28.8	12.7	86	95	96	88.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	30.08	35.	38.	40.	45.	38.8	38.6	15.4	95	90	74	76.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	30.08	39.	48.	37.	41.3	48.8	38.6	14.3	80	73	64	70.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	30.18	40.	42.	38.	37.7	44.6	38.6	16.	78	68	76	78.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	29.83	40.	47.	42.	43.	47.5	36.8	10.7	72	52	73	86.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	29.95	40.	47.	41.	42.7	50.7	36.6	14.1	80	42	73	86.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	29.98	37.	50.	41.	42.7	51.5	31.1	20.4	87	57	75	88.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	30.27	38.	51.	45.	44.7	46.	30.1	5.0	85	85	78	88.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	30.07	42.	54.	42.	42.7	46.	30.2	18.2	85	82	75	86.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	30.01	44.	52.	44.	46.	47.4	36.6	18.2	85	81	75	86.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	29.86	44.	44.	39.	42.3	41.7	40.6	12.6	85	81	75	86.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	29.86	37.	47.	38.	40.7	48.	35.4	12.6	78	59	62	66.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	29.91	38.	50.	41.	43.	51.	33.5	17.5	66	40	60	68.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	29.90	36.	43.	41.	41.	50.5	31.2	19.3	64	45	56	68.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	30.22	40.	45.	37.	40.7	46.5	36.6	9.9	69	33	58	64	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	30.50	38.	54.	46.	46.	54.5	31.5	23.	70	43	64	64	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	30.50	40.	59.	50.	49.7	60.3	33.8	26.5	76	43	64	64	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	30.43	49.	62.	52.	52.	65.4	33.8	31.4	74	40	66	64	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	30.18	50.	66.	52.	57.7	66.7	33.8	32.9	74	40	66	64	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	29.97	64.	74.	54.	64.	77.5	53.5	24.0	70	50	85	68.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	29.84	52.	67.	58.	59.	67.3	49.4	17.9	88	62	67	72.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total.	30.100	39.5	50.1	42.5	44.	51.8	34.8	17.	77.9	57.9	70.7	68.1	N	5.1	S	11.1	N	W	5.2	18.1	18.1	2.57	4.6	4.6	7 A. M.	3 P. M.	10 P. M.			

## SUMMARY.

\* Indicates trace of rainfall.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean)	CONT. RAINFALL.
Monthly Mean 30.10 inches Highest 30.50 in. Date 26th. Lowest 29.55 in. Date 2d. Monthly range, 1.0.	Monthly Mean 44.0 degrees. Highest 77.5 deg.; Date 30th. Lowest 35.4 deg.; Date 8th. Absolute range 42.1 degrees. Greatest daily range, 32.9 deg.; Date 28th. Least daily range, 5.9 deg.; Date 18th. Mean daily range, 17.0 degrees. Total excess or deficiency since Jan. 1 = -47.1 degrees.	Prevailing direction, Northwest. Mean hourly velocity, 7.6 m. Max. hourly velocity and direc-tion, 30 miles West; Date, 7th. Total monthly movement, 54.03 miles.	Total number of days on which 41 in. or more precipitation occurred, 10. Greatest 24 hour precipitation, 18.75--43.2 (in. and fourth), 1.26; Date, 5 & 6. Total in this precip-itation (in. and fourth), 2.57. Total depth of snow fall (inches and fourths), 1. Total excess or deficiency of pre-cip. since Jan. 1 = +1.41.	1873--44.1 deg. 1883--44.2 deg. 1884--44.9 " 1885--46.0 " 1875--43.2 " 1886--48.3 " 1877--48.3 " 1878--52.4 " 1879--46.1 " 1880--49.3 " 1881--44.1 " 1882--43.5 " 1892--	1873--4.95 1883--2.23 1874--7.59 1884--2.36 1875--3.28 1885--2.31 1876--7.05 1886--3.21 1877--3.44 1887-- 1878--5.08 1888-- 1879--6.08 1889-- 1880--3.09 1890-- 1881--1.71 1891-- 1882--1.55 1892--

Monthly mean humidity, 68.0 per cent. Monthly mean dew point, 33.2. Number of clear days, 15. Number of cloudy days, 6.  
 NOTES.—Observations taken on the 75th Meridian mean. † Barometer readings reduced to sea-level. ‡ Temperature of 32. Elevation of thermometers above the ground, 113 feet; elevation of rain and snow gauges, 109 feet. § A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow. † Maximum velocity in any hour from Midnight to Midnight. ‡ Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MAY, 1888.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of May, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Mortality, Years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport.	42,000	43	12.9	16	37.2	---	1	1	2	1	---	---	---	1	---	---	1	---	4	6	2	9	7	3	5	2
Bristol.	6,500	8	14.7	2	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	1	9	4	3	1	1
Danbury.	17,500	30	20.5	6	20.	---	---	1	---	1	---	---	1	1	---	---	---	7	7	1	9	2	1	10	---	
Derby.	15,500	25	19.3	5	20.	---	---	---	3	---	---	---	---	---	---	---	---	2	2	1	9	2	1	5	2	
Enfield.	7,000	14	24.	6	42.8	1	1	---	---	2	---	---	---	---	---	---	1	1	1	1	1	2	2	1	6	
Greenwich.	8,000	12	18.	3	25.	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	2	
Groton.	5,150	4	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	3	
Hartford.	50,000	92	18.	19	20.6	---	1	2	5	---	---	---	2	4	---	---	---	12	16	5	10	7	1	26	3	
Killingly.	7,000	8	13.7	2	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	
Manchester.	7,200	7	11.6	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Merriden.	22,000	26	14.1	7	27.2	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	
Middletown.	12,000	32	21.	2	6.2	---	2	---	---	---	---	---	1	---	---	---	---	1	4	4	3	7	2	1	2	
Naugatuck.	6,000	9	18.	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
New Britain.	18,000	22	14.6	10	45.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
New Haven.	80,000	112	15.3	30	26.8	1	1	3	13	---	---	---	1	2	---	---	---	14	9	6	10	11	6	26	15	
New London.	13,000	24	22.1	4	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	
Norfolk.	16,000	27	20.2	3	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Norwich.	25,000	30	14.4	4	13.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	
Putnam.	6,800	7	12.3	3	42.8	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	
Southampton.	5,500	6	13.	2	33.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	
Stamford.	14,000	19	16.2	3	15.7	---	2	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7	
Stonington.	7,500	11	17.6	1	9.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	
Stratford.	5,600	9	12.8	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon.	8,000	5	7.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford.	5,500	8	17.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.	30,000	50	20.	11	22.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6	
Winchester.	5,650	5	10.6	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.	10,000	10	12.	2	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of twenty-eight of the above towns reporting, { One hundred and seven other towns of less than 5,000 inhabitants report the following mortality:--	454,400	655	17.3	147	22.4	2	2	10	17	33	1	1	8	14	2	6	5	3	87	76	23	96	57	29	183	42
	225,028	328	17.5	36	10.9	---	1	3	5	17	2	---	9	2	---	1	2	7	52	37	11	37	35	14	93	4
Total reported from 135 towns, { Population of towns in which were no deaths, { Total estimated population of State, {	680,428	983	17.3	183	18.4	2	3	13	22	50	3	1	17	16	2	7	10	139	113	34	133	92	43	276	46	
	34,972	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	775,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* The Mortality in Public Institutions of the State were: in Hartford, 17; in Middletown, 11; in New Haven, 10; and in Stratford 3. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in May: Andover, Beacon Falls, Bethany, Bethlehem, Bolton, Bozrah, Chatham, Coventry, Eastford, East Granby, East Haven, East Lyme, Goshen, Kent, Ledyard, Lyme, Madison, Marlborough, Middlebury, Montville, New Fairfield, Newington, North Haven, Old Saybrook, Prospect, Tolland, Trumbull, Voluntown, Warren, Washington, Wolcott, and Woodbridge--32.

The Registrars of every town have made reports for May.

# REMARKS.

In addition to the above reports of mortality, this office is in receipt of 30 other reports from sanitary correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

There is a marked difference in the mortality in May as compared with April—being almost 100 less, in the towns of over 5,000 inhabitants, in April, 753; in May, 655. And in the towns of smaller population the deaths in April were 363 and in May, 328. The death-rate for the State was 17.3 per 1000 of population, and differed but the fraction of one in a 1000 in towns of more and those of less than 5,000 inhabitants, the difference being in favor of the larger towns.

There is a notable reduction of mortality from diseases of the pulmonary organs as compared with the months preceding. But there is marked increase in the fatality of the infectious diseases. Deaths from heart diseases were also much more numerous than in April.

**Small Pox** has again disappeared from the borders of the State and is less prevalent in other states than it was a month ago. It claimed two victims in Connecticut last month, one in Enfield and one in New Haven.

It is gratifying to know that several towns acting on the advice of the State Board have undertaken public vaccinations, and that the experience of the State has again demonstrated the controlling power which we possess in vaccination to stamp out this disease whenever it appears.

**Scarlet Fever** has been somewhat more fatal in May, causing 13 deaths against 9 in April. It is mentioned as occurring in Bloomfield, Bridgeport, Bristol, Danbury, Falls Village, Guilford, Griswold, Hartford, Middletown, New Hartford, New Haven, North Canaan, Norwalk, Orange and Southington.

In one instance a girl took the scarlet fever from contact with the clothing of a schoolmate, who passed safely through the disease in Nov. 1887, and in May brought out some clothing which she had used while sick, which had been packed away through the winter.

**Diphtheria and Croup** caused fifty deaths in May. They were unusually prevalent in New Haven. They were reported as present in Bridgeport, Chaplin, Cheshire, Clinton, Danbury, Derby, Enfield, Had-dam, Hartford, New Haven, New London, New Milford, Newtown, Norwalk, Plymouth, Portland, Roxbury, Sherman, Stamford, Sterling, Stonington, Winchester and Windsor Locks.

**Typhoid Fever** was fatal in seventeen instances as against twelve in April. It occurred during May in the following towns: Danbury, Derby, Greenwich, Griswold, Guilford, Hartford, Haddam, Mansfield, Middlefield, Middletown, New Hartford, New Haven, Portland, Torrington, Waterbury and Willington.

**Measles** is mentioned as occurring still in various parts of the State. It caused 3 deaths.

**Whooping Cough** was also fatal in 3 cases.

## SANITARY REGULATIONS.

Increased attention to public hygiene is indicated by the action of several local boards of health in publishing sanitary regulations during the last month.

Plymouth, Guilford and Madison have reported such to the State Board since the last issue of the Bulletin, and the New Haven Board have added some new regulations respecting the notification of infectious diseases which the Common Council is considering if it will ratify.

## THE NEW LAWS AFFECTING REGISTRATION.

This Bulletin is the twelfth consecutive monthly report of the mortality of the State issued by the State Board of Health in this form. It completes the first year under the new legislation requiring from every Registrar in Connecticut, a monthly statement of the deaths registered in each one's respective town.

Its operation has been quite as successful as its friends could reasonably expect during the first year. In several of the months reports were received and summarized in the Bulletin for every town in the State. A fact which is probably not true of any other State in the Union.

In order to learn how fully the new registration laws were observed in their details, the Secretary sent a series of questions to every registrar in the State. To these 121 responses were received, giving replies to a portion or all of the questions.

To the question, "Do undertakers, sextons and others, uniformly observe the law in regard to burial permits," 114 answers were received, 90 replying for their towns in the affirmative, and 24 saying it was but partially obeyed, and in a very few cases wholly ignored. Some undertakers and sextons obeying and some not. There is, however, very frequent testimony from registrars that it is being better observed than in the beginning, and as the people understand it better and appreciate its value, are growing in favor of it.

To the question, "What complaints do you hear about the law requiring permits for burial or removal?" there were 115 replies, of which 29 said there had been no complaints; 14 said there were "none now;" 63 said the law was unnecessary or troublesome or both, and a few others merely complained of it without giving a reason. The testimony was that the complaints came chiefly from the undertakers, who also charged much blame upon the doctors for neglecting to furnish the death certificates.

The general testimony is that the returns of death certificates are much more complete and prompt than they ever were before the operation of this law. In almost every instance the registrars approve of the law as a means of making their registration more perfect.

One other fact is conspicuously apparent from the answers to the circular, which contained several other questions. Which is, that in all the towns in which the registrars took an active personal interest in obtaining a full and complete record of deaths, and exerted their influence to have the law enforced they generally succeeded in securing full compliance with it. But in cases where they "did not consider it their duty" to require the law to be regarded, as some of them have expressed it, the law was of course more or less ignored.

To the questions, "Do you as a part of your duty, make any periodical and systematic efforts to perfect your registration, as the law provides" (Gen. Statutes, Sec. 101), and "Do you make any objection when defective certificates are returned to you, or do you not examine them until you record them?" the answers exhibit a laudable appreciation of the responsibilities of the office in the great majority of the registrars, but in a few a lamentable indifference to its duties and an entire misapprehension of the objects and value of Registration of Vital Statistics.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, June 15, 1888.



# METEOROLOGICAL REPORT FOR THE MONTH OF MAY, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERGT SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.*		CHARACTER OF WEATHER.			Average cloudiness, in percentage of total sky.		
	Barom. Red.	Daily Mean.	7 A. M.	10 P. M.	Daily Mean.	7 A. M.	3 P. M.	10 P. M.	7 A. M.	3 P. M.	10 P. M.	Daily Movement.	Max. Direction.	Max. Velocity.	7 A. M.	3 P. M.	10 P. M.			
1	29.77	45.	48.	45.	45-48	89	96	78	87.7	N E	7	N E	10	211	N E	22	Cloudy.	Cloudy.	Cloudy.	10.0
2	30.04	44.	47.	44.	44-47	88	93	78	79.3	N E	11	N E	10	211	N E	22	Cloudy.	Cloudy.	Cloudy.	6.7
3	30.27	40.	52.	42.	40-52	88	96	82	75.0	S W	6	S W	14	163	S W	17	Clear.	Cloudy.	Cloudy.	3.3
4	30.23	45.	50.	48.	45-50	85	96	86	77.0	S W	6	S W	12	152	S E	12	Clear.	Cloudy.	Cloudy.	10.0
5	30.04	50.	56.	50.	50-56	87	97	88	86.7	S E	6	S W	9	145	S E	13	Clear.	Clear.	Clear.	3.3
6	30.16	54.	62.	54.	54-62	87	97	90	87.0	S E	6	S W	10	158	S E	18	Clear.	Clear.	Clear.	0.0
7	30.22	54.	62.	54.	54-62	87	97	90	87.0	N W	13	N W	8	224	N W	18	Clear.	Fair.	Clear.	4.3
8	30.26	50.	52.	50.	50-52	87	97	91	88.3	N W	6	N W	3	85	N W	11	Clear.	Lt. Rain.	Cloudy.	10.0
9	29.95	51.	67.	54.	51-67	84	97	91	90.0	S	2	S W	6	120	S W	10	Foggy.	Cloudy.	Clear.	3.0
10	29.68	58.	68.	59.	61-58	86	97	96	92.7	S	2	S E	8	20	E	26	Foggy.	Cloudy.	Fair.	7.7
11	29.77	56.	66.	58.	60-58	86	97	96	92.7	E	6	S E	4	168	E	26	Foggy.	Fy. Rain	Foggy.	6.7
12	29.82	50.	62.	57.	58-53	93	97	88	89.3	N E	18	N E	12	235	N E	16	Fair.	Cloudy.	Fy. Rain	7.7
13	29.85	55.	57.	47.	46-57	97	78	93	86.7	N E	18	S W	4	163	N E	16	Fair.	Fy. Rain	Fy. Rain	7.7
14	29.95	46.	47.	46.	46-47	82	98	92	86.3	N E	2	S W	5	110	N W	14	Clear.	Lt. Rain.	Cloudy.	6.0
15	29.91	40.	58.	49.	49-40	85	93	48	76.0	N W	2	N W	10	442	N W	21	Clear.	Cloudy.	Clear.	2.7
16	30.08	51.	54.	48.	51-48	85	93	48	76.0	N E	2	S E	5	120	S E	11	Clear.	Lt. Rain.	Lt. Rain.	10.0
17	30.03	50.	61.	48.	50-61	87	96	78	83.3	N E	6	S E	5	120	S E	11	Clear.	Cloudy.	Cloudy.	9.3
18	30.14	50.	61.	52.	50-61	87	96	78	83.3	N W	10	N W	12	170	N W	19	Clear.	Fair.	Clear.	4.7
19	30.18	50.	64.	55.	53-64	87	96	78	83.3	N W	7	N W	11	212	N W	18	Clear.	Clear.	Clear.	0.0
20	30.23	53.	64.	54.	53-64	87	96	78	83.3	N E	7	S E	11	159	S E	12	Clear.	Clear.	Clear.	3.7
21	30.23	53.	64.	54.	53-64	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
22	30.23	53.	64.	54.	53-64	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
23	30.23	53.	64.	54.	53-64	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
24	29.97	56.	62.	58.	56-62	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
25	29.94	56.	62.	58.	56-62	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
26	29.93	54.	55.	56.	54-55	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
27	29.92	56.	58.	55.	56-58	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
28	29.95	52.	56.	55.	52-56	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
29	29.86	59.	80.	63.	59-80	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
30	29.90	63.	72.	66.	63-72	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
31	29.81	63.	62.	59.	61-63	87	96	78	83.3	N E	7	S E	12	185	S E	10	Clear.	Clear.	Clear.	3.7
Monthly	30.01	51.8	59.9	53.4	48.4-61.3	84.7	92.5	80.7	80.7	N E	6.4	S	8.1	N	6.3	164.3	Total.	6.03		6.5

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.		TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL (Inches and tenths).	
Monthly Mean, 30.01 inches.		Monthly Mean, 55 degrees.		Prevailing direction, Northeast.		Total number of days on which fell, 21.		1873--56.7 deg.		1873--6.27 1883--4.52	
Highest, 30.31 in.; Date, 8th.		Highest, 79.9 deg.; Date, 20th.		Mean hourly velocity, 6.3 m.		more precipitation occurred, 21.		1874--57.2 "		1874--4.92 1884--3.32	
Lowest, 29.73 in.; Date, 1st.		Lowest, 32.4 deg.; Date, 3d.		Max. hourly velocity and direction, 27 miles East; Date, 12th.		*Greatest 24 hour precipitation, 1.54; Date, 11 & 12; Total monthly precipitation (in. and tenths), 6.03.		1875--58.5 "		1875--2.71 1885--2.61	
Monthly range, .58.		Absolute range, 17.5 degrees.		Total monthly movement, 5,094 miles.		Total depth of snow fall (inches and tenths), 0.		1876--58.6 "		1876--3.12 1886--2.74	
		Date, 29th.						1877--59.3 "		1877--2.14 1887--0.18	
		Least daily range, 5.5 deg.; Date, 28th.						1878--59.0 "		1878--3.75 1888--6.03	
		Mean daily range, 14.4 degrees.						1879--61.4 "		1879--3.22 1889--	
		Mean temp. of harbor water, ---						1880--64.0 "		1880--1.21 1890--	
								1881--58.6 "		1881--3.89 1891--	
								1882--51.3 "		1882--5.05 1892--	

Monthly mean humidity, 80.7 per cent. Monthly mean dew point, 48.6. Number of fair days, 13. Number of cloudy days, 14.

NOTES.—Observations taken on the 75th Meridian time. + Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. + A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Snow is melted and the resulting amount of water recorded. A "T" in rainfall column indicates a trace of precipitation too small to measure. || Humidity relative, saturation being 100. § Maximum velocity in any hour from midnight to midnight.







VOL. II.

NO. I.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JUNE, 1888.





# ABSTRACT OF REPORTS OF MORTALITY

*And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of June, 1888.*

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport.....	40,000	56	16.8	16	28.5	.....	.....	1	.....	1	1	.....	1	.....	.....	1	8	.....	10	3	2	5	5	2	16	2	
Bristol.....	6,500	19	12.9	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Danbury.....	18,000	17	12.6	5	26.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Derby.....	16,500	14	10.1	5	35.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Enfield.....	8,000	10	15	5	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Greenwich.....	12,000	11	11	2	18.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Groton.....	5,250	2	4.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Hartford.....	50,000	90	18.9	25	27.7	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	4	2	8	6	3	3	5	8	.....	6	
Killingly.....	8,000	1	1.5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Manchester.....	7,200	7	11.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Middleton.....	24,300	21	10.3	4	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Naugatuck.....	6,000	6	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Britain.....	18,500	21	13.6	8	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Haven.....	80,000	99	12.1	26	26.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New London.....	14,000	10	8.5	3	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Norwalk.....	17,000	15	10.5	3	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Norwich.....	25,000	30	14.4	4	13.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Putnam.....	6,800	7	12.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Southington.....	5,500	3	6.5	2	66.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stamford.....	16,000	21	15.7	3	14.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stonington.....	7,500	8	12.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stratford.....	5,250	8	9.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Thompson.....	5,600	3	6.4	2	66.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Vernon.....	8,000	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Wallingford.....	5,500	9	10.6	1	11.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Waterbury.....	30,000	30	12	13	43.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Winchester.....	5,700	3	6.3	1	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Windham.....	10,000	13	15.6	4	30.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total of twenty-nine of the above towns reporting,.....	475,100	544	13.7	134	24.6	.....	.....	4	13	3	17	2	1	6	9	.....	1	27	7	68	36	13	64	47	31	105	43
One hundred and eleven other towns of less than 5,000 inhabitants report the following mortality:.....	218,211	269	14.6	27	10.1	.....	.....	1	2	3	3	1	1	4	11	.....	1	6	7	31	22	4	34	33	20	85	7
Total reported from 140 towns,.....	695,586	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Population of 126 towns in which were no deaths,.....	32,790	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Population of town not reporting,.....	1,900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total estimated population of State,.....	730,276	813	13.3	161	19.8	.....	.....	5	15	6	20	3	2	10	20	.....	2	33	14	99	58	17	93	80	51	280	50

The Mortality in Public Institutions of the State were: in Hartford, 11; in Middletown, 10; in New Haven, 18; and in Stratford 4. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in June: Barkhamsted, Bethlehem, Burlington, Chaplin, Chester, Cornwall, Ellington, Granby, Harwinton, Hebron, Marlborough, Middlebury, Middlefield, New Fairfield, Newington, Prospect, Roxbury, Salem, Somers, Sprague, Torrington, Voluntown, Warren, Willington, Woodbridge, and Woodbury—26.

The publication of this Bulletin has been delayed two days waiting for reports from the Registrars of Essex and Ledyard. The report from Essex is not yet received.

# REMARKS.

In addition to the above reports of mortality, this office is in receipt of about 20 other reports from sanitary correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Bridgeport**—Cholera Morbus and Diarrhoeal diseases have prevailed to some extent among both adults and children, but aside from these, there has been no generally prevailing disease. The season so far has been healthy.—*Dr. Wordin.*

**Brooklyn**—The children of the town are all well. There is some Rheumatism among adults.—*Dr. Coburn.*

**Canaan**—Adults have Neuralgia, Rheumatism and Bronchitis. There is very little sickness among the children.—*Dr. Wilcox.*

**Canton**—One case of Small Pox was reported. No particulars as to origin.—*Dr. Lewis.*

**Clinton**—Diphtheria has diminished.—*Dr. Webb.*

**Cornwall**—Unusually healthy.—*Dr. Skiff.*

**Coventry**—More cases of Sore Throats and Bronchitis than of any thing else. There has been a mild epidemic of Scarlet Fever, ten cases and one death.—*Dr. Dean.*

**Falls Village**—Has been a pretty healthy month. A few cases of Sporadic Cholera—some bowel troubles, and an occasional mild case of Scarlet Fever.—*Dr. Carter.*

**Griswold**—A few cases of Malaria and Pneumonia. Scarlet Fever in two families. Digestive disorders were quite common in the latter part of the month.—*Dr. Jennings.*

**Haddam**—Some Malarial Fever and an occasional Typhoid case.—*Dr. Hazen.*

**Hartford**—Nothing special to report. No epidemic. The hot weather in June had the usual effect of inaugurating diarrhoeal diseases. But there were only 6 deaths in consequence against 18 in June, 1887.—*Dr. Knight.*

**Hebron**—Nothing to mention but Chills and Fever.—*Dr. Pendleton.*

**Madison**—Only slight coughs and throat troubles.—*Dr. Webb.*

**New Hartford**—Measles epidemic, but of mild type. Diarrhoeas are prevalent both among children and adults. A suspected case of Varioloid occurred at Pine Meadow.—*Dr. Bunnell.*

**New Haven**—An unusually low death rate, 12.10. A general reduction of mortality from all the usual causes of death.—*Secretary.*

**Norwalk**—There were 3 cases of Small Pox. The first was a Swede lately arrived and coming directly to relatives in Norwalk. He had it mildly, and not being recognized as Small Pox at first was not reported to the Health Board until about the 10th day of the irruption. Two doctors who had seen him declared that it was not Small Pox and he was under no restriction of intercourse with others. A servant employed in the family of the Swede was reported on the 30th and on the next day the sister of the Swede was reported—at whose house he was staying. She had recently been confined in childbirth. The servant was removed to her own home and the house thoroughly quarantined, as was the house first infected. The servant had confluent Small Pox. The married woman Varioloid. The Board of Health have taken every precaution by quarantine and disinfection to prevent the spread, and have advised vaccination of all persons in the town, and made it compulsory upon all who have been in communication with the sick or who live within a radius of one-half a mile of their houses and who have not been vaccinated in five years.

These cases and the one in Canton are all that are known to exist now in the State.

Besides the Variola in Norwalk there were cases also of Diphtheria, Scarlet Fever, Measles, Chicken Pox and Mumps.—*Dr. Gregory.*

**Portland**—Bilious conditions (?) and Malaria.—*Dr. Gardner.*

**Salem**—Pneumonia, and one typical case of Intermittent Fever, and among children intestinal disorders.—*Dr. Congdon.*

**Westport**—Malaria, Colds and Diarrhoea among adults. Some Measles among the children.—*Dr. Day.*

**Wethersfield**—Some Malaria, and more bronchial troubles perhaps than usual.—*Dr. Warner.*

The deaths reported in June numbered only 810 in the whole State representing an annual death rate of 13.3, the lowest since the publication of this Bulletin.

This fact alone indicates a better health throughout the State than usual. A notable diminution of deaths from those diseases which are most frequently fatal was the fact.

**Small Pox** occurred in the towns of Canton and Norwalk, but no case has been reported fatal. Every precaution necessary was taken after the health authorities were notified to protect the public. The Secretary visited Norwalk and learned from personal observation and conference with the Health Officers that such was the fact.

**Scarlet Fever** was present in the following towns: Bridgeport, Cheshire, Coventry, Griswold, Hartford, Middletown, New Britain, New Haven, Norwalk, Salisbury, Southington, Stratford and Waterbury, with 15 fatal cases.

**Diphtheria and Croup** occurred in Bridgeport, Danbury, East Windsor, Enfield, Hartford, Naugatuck, New Britain, New Haven, Norwalk, Preston, Rocky Hill, Stamford, Thompson and Waterbury; but the fatality was very much less than in previous month, being only 20, while in May it was 50.

**Typhoid Fever** is mentioned as occurring in only the following towns: Bridgeport, Hartford, New Hartford, New Haven, Scotland, Stoughton, Waterbury, Watertown and West Hartford.

I would particularly request the Sanitary Correspondents of the Board to mention always the fact of the occurrence of any of the above diseases to wit, Small Pox, Scarlet Fever, Diphtheria and Typhoid Fever, in their respective towns.

Doubtless the improved public health is in large part the natural consequence of a greater amount of out-door life. The weather has been tempting. The clear and fair days numbered 28, and there were only 2 cloudy days in the month, and not one rainy day. No doubt everybody who could spent a large part of their time in the open air—result, a much reduced death rate compared with months when the people breathe house air.

Another noteworthy fact is that in the towns of over 5,000 population the death rate is lower than in the towns of less inhabitants.

Can it be that the neglect of attention to the conditions about the homes of country residents makes the air about them impure as compared with the larger towns where better care is given to drainage and the prompt removal of sewage? How else does the benefit of out-door life in the urban towns seem greater than in the rural places? Do the cesspools under the window, and the hog pen and the barn yard explain it?

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, July 16, 1888.

# METEOROLOGICAL REPORT FOR THE MONTH OF JUNE, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERGT SIG. CORPS, OBSERVER.

DATE.	BAROMETER.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION. Inches.	CHARACTER OF WEATHER.			Average cloudiness, as representing locality.
		7 A. M.	3 P. M.	10 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	7 A. M.	3 P. M.	10 P. M.	Daily Movement.	Max. Direction.		Max. Velocity.	7 A. M.	3 P. M.	
1	29.72	60.	75.	57.	64.0	75.0	57.0	18.0	E	N	N	134	NW	16	Cloudy.	Clear.	Clear.	4.3
2	29.78	56.	66.	59.	60.3	68.1	47.5	20.6	N	S	5	136	NW	13	Cloudy.	Clear.	Cloudy.	4.0
3	29.93	55.	67.	57.	59.7	68.2	51.2	17.0	N	N	6	136	NW	15	Clear.	Fair.	Clear.	1.7
4	30.07	57.	70.	60.	62.3	70.7	50.9	19.8	N	N	8	159	NW	13	Clear.	Clear.	Clear.	0.0
5	30.17	61.	77.	64.	67.3	79.1	51.7	27.4	N	N	4	139	SW	14	Clear.	Clear.	Clear.	0.3
6	30.01	64.	76.	66.	67.3	79.4	58.7	20.7	SW	SW	4	168	SW	14	Clear.	Fair.	Fair.	4.0
7	29.96	67.	72.	63.	67.3	76.8	62.8	14.0	SW	N	16	192	NW	18	Clear.	Clear.	Clear.	1.7
8	30.11	62.	67.	58.	62.3	75.0	58.0	14.0	N	N	5	251	NW	24	Clear.	Clear.	Clear.	2.7
9	30.07	61.	76.	61.	66.0	80.0	54.4	23.6	SW	SW	7	159	SW	18	Fair.	Clear.	Clear.	1.7
10	29.87	58.	64.	62.	61.3	67.8	56.4	11.4	SW	SW	8	155	SW	13	Cloudy.	Li. Rain.	Foggy.	6.7
11	29.71	64.	70.	60.	65.3	80.3	59.7	93.7	SW	W	11	SW	SW	14	Clear.	Clear.	Clear.	2.3
12	30.11	64.	70.	62.	65.3	72.7	52.7	20.0	N	W	7	134	SW	14	Clear.	Clear.	Clear.	0.7
13	30.21	61.	71.	59.	63.3	73.2	50.4	21.8	N	W	3	134	SW	18	Clear.	Clear.	Clear.	0.7
14	30.02	60.	71.	64.	65.0	73.8	51.1	22.7	W	W	7	137	SW	15	Clear.	Clear.	Clear.	3.0
15	29.83	63.	80.	71.	71.3	81.4	61.0	20.8	N	W	3	157	SW	12	Clear.	Clear.	Clear.	8.5
16	29.80	72.	83.	74.	76.3	84.5	62.7	16.1	SW	SW	12	119	SW	15	Cloudy.	Fair.	Cloudy.	7.3
17	29.81	70.	80.	68.	72.7	85.9	62.3	23.6	N	N	3	137	SW	15	Clear.	Fair.	Clear.	1.3
18	29.84	68.	84.	72.	74.7	85.9	62.3	23.6	N	SW	8	214	NE	16	Clear.	Clear.	Clear.	3.0
19	29.95	69.	84.	70.	73.3	75.5	63.7	12.6	W	W	6	135	SW	16	Clear.	Fair.	Clear.	5.3
20	29.86	65.	74.	66.	67.7	75.4	61.3	14.1	N	W	8	136	SW	12	Fair.	Clear.	Clear.	6.3
21	29.75	64.	76.	75.	71.7	81.4	61.3	20.1	N	W	2	130	SW	12	Clear.	Fair.	Clear.	5.3
22	29.72	78.	84.	73.	78.3	88.2	71.7	16.5	SW	N	3	133	SW	19	Foggy.	Fair.	Clear.	4.3
23	29.73	67.	76.	74.	72.3	88.1	65.0	23.1	SW	N	5	110	SW	13	Clear.	Clear.	Clear.	5.3
24	29.73	67.	76.	74.	72.3	88.1	65.0	23.1	SW	N	5	110	SW	13	Clear.	Clear.	Clear.	6.7
25	29.73	67.	76.	74.	72.3	88.1	65.0	23.1	SW	N	5	110	SW	13	Clear.	Clear.	Clear.	4.0
26	29.77	71.	75.	60.	70.7	75.6	63.0	13.6	N	N	2	102	N	7	Clear.	Clear.	Clear.	0.7
27	30.01	67.	75.	64.	68.7	76.6	63.0	13.6	N	N	11	102	N	18	Clear.	Clear.	Clear.	0.7
28	30.15	61.	54.	53.	56.0	64.1	52.7	11.4	N	N	11	243	N	21	Li. Rain.	Hy. Rain	Li. Rain.	10.0
29	30.09	51.	67.	59.	59.0	68.4	50.2	18.2	N	N	3	243	N	20	Clear.	Clear.	Clear.	5.3
30	29.87	62.	76.	63.	67.0	76.3	53.6	22.7	N	W	8	160	NW	22	Clear.	Fair.	Cloudy.	4.7
Month	29.92	64.1	74.4	64.8	67.8	77.7	58.4	19.3	N & SW	S	5.4	154.8	S	15.5	Total.			4.1

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COM. RAINFALL.	
	Monthly Mean.	Highest.	Lowest.	Absolute range.	Monthly range.	Monthly range.	Monthly range.	Monthly range.
Monthly Mean, 29.92 inches.	Monthly Mean, 67.8 degrees.	Highest, 94.1 deg; Date, 23d.	Lowest, 47.5 deg; Date, 2d.	Absolute range, 46.6 degrees.	Greatest daily range, 30.0 deg; Date, 20th.	Least daily range, 11.4 deg; Dates, 10th and 28th.	Mean daily range, 19.3 degrees.	Mean temp. of harbor water, —
Highest, 30.25 in.; Date, 13th.	Monthly range, 60.	Lowest, 29.65 in.; Date, 1st.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.
Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.	Monthly range, 60.

Monthly mean humidity, 73 per cent.

Monthly mean dew point, 58.

Number of clear days, 10.

Number of fair days, 18.

Number of cloudy days, 2.

NOTES: Observations taken on the 75th Meridian. Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Elevation of rain and wind gauges, 109 feet. A minus sign (—) prefixed to figures under this heading indicates temperature below zero. A "T" in rainfall column indicates a trace of precipitation too small to measure. § Maximum velocity in any hour from midnight to midnight.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JULY, 1888.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of July, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 Years.	Percentage of Deaths under 5 Years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrrhea under 5.	Diarrrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport,.....	40,000	68	26.7	25	58.4			2		1	1			1	1		37	4	9			10	1	1	21	7	
Bristol,.....	6,500	4	7.38				1																				1
Daubury,.....	18,000	43	28.6	26	60.4																						1
Derby,.....	16,500	29	21	18	62		1																				1
Enfield,.....	8,000	8	12	3	37.5																						1
Greenwich,.....	12,000	17	15	6	40																						1
Groton,.....	5,250	3	6.85		33.3																						1
Hartford,.....	50,000	118	25.2	59	50			4	1	6			1	2	1	2	32	2	13	1	1	7	5	4	36	2	1
Hartford,.....	8,000	6	9	1	16.6																						1
Killingly,.....	7,200	5	8.33	2	40				1																		1
Manchester,.....	24,300	38	18.7	19	50																						1
Middletown,.....	13,000	19	13.8	5	26.3																						1
Naugatuck,.....	6,000	13	26	7	53.8																						1
New Britain,.....	18,500	31	20.1	15	48.3								1	2													1
New Haven,.....	80,000	160	21.9	81	50		2		2	4	6						46	9	11	3	1	13	9	3	43	4	1
New London,.....	14,000	18	15.4	12	66.6																						1
Norwalk,.....	17,000	27	19	10	37			2																			1
Norwich,.....	25,000	37	17.7	12	32.4																						1
Putnam,.....	6,800	11	19.4	6	54.5		1																				1
Southington,.....	5,500	7	15.2	3	42.8																						1
Stamford,.....	16,000	26	19.5	14	53.8																						1
Stonington,.....	7,500	11	17.6	3	27.2								2														1
Stratford,.....	5,250	16	22.8	3	18.7																						1
Thompson,.....	5,600	7	15	3	42.8																						1
Vernon,.....	8,000	5	7.5	4	80																						1
Wallingford,.....	5,500	6	13	2	33.3																						1
Waterbury,.....	30,000	57	22.8	39	68.4																						1
Winchester,.....	5,700	7	14.7	1	14.2																						1
Windham,.....	10,000	23	27.6	8	34.7																						1
Total of twenty-nine of the above towns reporting,.....	475,100	841	21.2	415	49.3			8	10	6	27	9	2	10	11	2	1	229	37	85	15	9	86	41	22	231	38
One hundred and thirty-four other towns of less than 5,000 inhabitants report the following mortality:.....	245,451	310	15.1	78	25.1			1	1	6	10	3	1	4	2	1	5	47	8	24	11	4	37	38	14	93	7
Total reported from 163 towns,.....	720,551	1151	19.1	493	42.8			9	11	12	37	12	3	14	13	3	6	276	45	109	26	13	123	79	36	324	45
Population of 4 towns not reporting,.....	9,725																										
Total estimated population of State,.....	730,276																										

The Mortality in Public Institutions of the State were: in Hartford, 13; in Middletown, 4; in New Haven, 14; and in Stratford, 6. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in July: Bethany, Bolton, Bozrah, Chaplin, Eastford, East Haven, Granby, Hartland, Harwinton, Hebron, Kent, Lisbon, Madison, Mansfield, Marlborough, Middlebury, New Fairfield, Old Lyme, Prospect, Salem, South Windsor, Sterling, Trumbull, Union, Voluntown, Warren, Washington, Willington, Wolcott—29.

From the Registrars of the following towns no report was received for July: Beacon Falls, Norfolk, North Stonington, Saybrook, Torrington—5.

# REMARKS.

In addition to the above reports of mortality, this office is in receipt of 25 other reports from sanitary correspondents in as many different towns in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Ashford**—Less sickness than I have ever known in July. — *Dr. Simmons.*

**Avon**—No epidemic. Prevailing disorders, Diarrhoea in adults and Cholera Infantum in infants. — *Dr. Alcott.*

**Bethel**—An increase of sickness beyond what ordinarily occurs in hot weather. Epidemic influences are causing Diarrhoeas and Dysentery in adults, and Cholera Infantum among the children. — *Dr. Lyon.*

**Bloomfield**—Generally healthy—some intestinal troubles, but not enough to be called "prevailing." — *Dr. Gray.*

**Bridgeport**—Dysentery is epidemic—and the enteric diseases of summer prevail among adults and children. Yet there is less sickness than usual in July. — *Dr. Wordin.*

**Brooklyn**—Less sickness than in July of previous years. No special disorder prevailing. — *Dr. Coburn.*

**Canaan**—Nothing prevailing—some Diarrhoea among children. — *Dr. Wilcox.*

**Clinton**—Diphtheria has disappeared, and the town is healthy. — *Dr. Webb.*

**Cornwall**—Whooping Cough is epidemic—but less intestinal trouble than usual for the season. — *Dr. Skiff.*

**Coventry**—Intestinal diseases very common—Diarrhoea, Dysentery, Cholera Morbus, but less than usual of what is properly called Cholera Infantum. — *Dr. Dean.*

**Falls Village**—Sickness mostly confined to elderly people. Tubercular diseases and Erysipelas. There is no Dysentery. Cholera Infantum is rare. — *Dr. Carter.*

**Farmington**—An outbreak of Diphtheria, with several fatal cases, and others threatening fatal results, is prevailing here. The Board of Health are taking all precautions to prevent its spread. — *Thos. L. Porter, Clerk of Board of Health.*

**Haddam**—Adults have Malaria—children are well. — *Dr. Smith.*

**Hartford**—Nothing of importance to report. Diphtheria and Scarlet Fever maintain themselves as endemic diseases. As usual in July Diarrhoeal diseases are the prominent causes of sickness and death. The mortality was considerably less than in July of last year. — *Dr. Knight.*

**Hebron**—With adults Intermittent and Remittent Fevers. With children a few cases of summer complaint—none severe. Less sickness than in previous Julys. — *Dr. Pendleton.*

**Madison**—No epidemic. One case of Scarlet Fever. Two cases of Diphtheria caught by sleeping with a child from New Haven convalescing from that disease. All recovered. Infantile Diarrhoea. — *Dr. Webb.*

**New Haven**—A lower death-rate than in corresponding month for several years, chiefly due to a smaller mortality from Infantile Diarrhoeas. — *Secretary.*

**Norwalk**—Much sickness in the latter part of the month. One case of Diphtheria, ten of Scarlet Fever, and one of Small Pox reported. The latter was the infant child of the woman reported with Small Pox in the last Bulletin. It has died. — *Dr. Gregory.*

**Portland**—We have had more Chills and Fever for the month of July than I have seen for several years. Also one case of Typhoid Fever. — *Dr. Sears.*

**Ridgefield**—July was very healthy until the last week, when there was considerable Diarrhoea and several cases of Cholera Morbus. An

instance of Mumps and another of Measles has occurred. There is some Diarrhoea among adults, none among the children. — *Dr. Todd.*

**Roxbury**—A few cases of Cholera Morbus, some Diarrhoea, and a mild form of Dysentery. — *Dr. Pons.*

**Salem**—Less sickness in the first half of the month than in the latter. The children are well. — *Dr. Congdon.*

**Salisbury**—There are several cases of Measles in the town. — *Dr. Wilcox.*

**Suffield**—One case of Measles and one of Diphtheria, each imported to us from other towns. Cholera Morbus, Cholera Infantum, Malaria, Quinsy, and Rheumatism constitute the items on the bill of ill health. — *Dr. Mason.*

**Thomaston**—Dysentery is reported to the Board of Health as epidemic. There have been some fatal cases. The outbreak is chiefly in one locality. — *F. W. Etheredge, Clerk of Board of Health.*

**Westport**—Malaria, Intestinal Diseases, and among infants Cholera Infantum. — *Dr. Day.*

**Wethersfield**—Malarial symptoms, often associated with Diarrhoea. But very much less in the State Prison than last year. — *Dr. Warner.*

**Wilton**—Dysentery and Malaria among adults, and Cholera Infantum and Whooping Cough with the children. — *Dr. Gorham.*

More frequently than any other the month of July is the sickliest in the year. The month this year shows a much lower death rate than July of last year. The figures being 19.1 as against 27. of a year ago. Equivalent to a difference in the total mortality of 382 lives. This difference is largely due to the diminished number of deaths from Diarrhoeal diseases. And this in turn is due to different meteorological conditions, especially to lower temperature, and a drier atmosphere. The daily mean temperature for last month was only 68.3. In July of last year it was 74.5. The rain fall was 1.76 inches. A year ago it was 4.66 inches.

As the temperature of July has been so much lower than the average it is reasonable to expect that the temperature of August will be higher, with some corresponding increase of mortality.

**Small Pox.**—But one case has occurred since the publication of the last Bulletin. A new-born infant contracted this disease from its mother and died. With this exception the outbreak in Norwalk was prevented by the energetic and judicious action of the health authorities from spreading after the first case was recognized.

**Scarlet Fever** occurred in Branford, Bridgeport, Hartford, Madison, Middletown, Norwalk, and Stonington, with 11 fatal cases. In seven towns as against 13 towns in June.

**Diphtheria.**—Reported from Bridgeport, Bristol, Danbury, Derby, East Windsor, Enfield, Farmington, Greenwich, Hartford, Litchfield, Meriden, Middletown, New Hartford, New Haven, Norwalk, Norwich, Scotland, Stamford, Suffield, Waterbury, Waterford, and Windsor Locks, with 37 deaths—22 towns as against 14 in last month.

**Typhoid Fever** was mentioned as present in Danbury, Hartford, Guilford, Killingworth, Manchester, Naugatuck, New Britain, Portland, Wallingford, Waterbury, and Windham, with 14 deaths—11 towns against 9 in June.

While the sickness and mortality was very decidedly greater in July than in the month before, yet in comparing the health of the people with July of the previous year, it will be found to present a very favorable showing.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, August 15, 1888.



# METEOROLOGICAL REPORT FOR THE MONTH OF JULY, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.					PRECIPITATION.*	CHARACTER OF WEATHER.			CHARACTER OF THE DAY.			
	S. A. M.	P. M.	S. P. M.	Daily Mean.	Maximum.	Minimum.	Range.	S. A. M.	Direction.	Vel. per h.	S. P. M.	Direction.		Vel.	Daily Movement.	Max. Direction.		Max. Velocity.	S. A. M.	P. M.
1	63.	64.	62.	63.	69.0	57.2	11.8	64	79	86	N	N	E	8	182	N	.10	Cloudy.	Li. Rain	Clear.
2	62.	68.	68.	65.0	72.5	51.8	20.7	69	56	77	N	N	E	8	208	N	0	Clear.	Fair.	Fair.
3	65.	76.	67.	66.0	79.5	52.6	26.9	73	55	86	N	N	E	6	98	S	0	Clear.	Fair.	Fair.
4	67.	76.	67.	67.0	79.0	60.0	19.0	73	63	71	S	S	W	8	186	S	0	Clear.	Fair.	Fair.
5	71.	77.	74.	72.5	82.0	63.0	19.0	80	51	86	N	S	E	5	146	S	0	Clear.	Fair.	Fair.
6	73.	81.	76.	74.5	82.0	64.8	17.2	61	41	68	N	N	W	7	171	N	.04	Clear.	Cloudy.	Cloudy.
7	72.	88.	76.	74.0	89.8	66.3	23.5	75	34	50	N	N	W	7	199	W	0	Hazy.	Clear.	Clear.
8	68.	77.	72.	70.0	78.0	62.2	15.8	60	44	66	N	N	W	2	192	W	0	Clear.	Clear.	Clear.
9	66.	64.	63.	64.5	72.0	63.2	8.8	85	87	93	N	N	E	5	99	N	.08	Clear.	Cloudy.	Cloudy.
10	67.	72.	68.	67.5	74.7	61.8	12.9	80	64	74	N	N	E	2	56	N	.07	Clear.	Cloudy.	Cloudy.
11	69.	80.	74.	71.5	81.0	57.5	23.5	74	47	72	N	S	W	12	210	W	0	Clear.	Cloudy.	Clear.
12	64.	70.	64.	64.0	70.8	56.6	19.5	45	52	67	N	S	W	12	259	W	0	Clear.	Cloudy.	Clear.
13	62.	69.	66.	64.0	70.8	52.0	18.8	63	55	73	N	N	W	2	127	N	0	Clear.	Clear.	Clear.
14	65.	78.	71.	69.5	81.0	57.0	24.0	60	40	60	N	N	W	4	212	N	0	Clear.	Clear.	Clear.
15	66.	75.	67.	67.0	80.3	56.5	23.8	64	52	61	N	N	W	3	130	N	0	Clear.	Clear.	Clear.
16	67.	74.	67.	67.0	80.2	56.8	23.4	63	62	80	N	S	E	5	183	N	0	Clear.	Clear.	Clear.
17	69.	73.	66.	67.5	73.4	55.2	18.2	74	57	75	N	S	E	8	145	N	0	Clear.	Clear.	Clear.
18	66.	72.	67.	66.5	73.0	59.6	22.4	73	65	80	N	S	E	6	130	S	0	Clear.	Clear.	Clear.
19	64.	70.	68.	66.0	71.5	63.8	7.7	97	93	98	N	S	W	7	150	S	.21	Li. Rain.	Li. Rain.	Li. Rain.
20	69.	76.	69.	69.2	78.5	60.7	17.8	95	91	95	N	S	W	10	143	N	.53	Clear.	Cloudy.	Cloudy.
21	68.	74.	70.	68.5	78.1	61.7	16.4	76	89	88	N	S	E	3	165	N	.02	Fair.	Cloudy.	Cloudy.
22	68.	72.	73.	69.5	81.6	64.1	17.5	68	80	88	N	S	E	10	143	N	.14	Li. Rain.	Li. Rain.	Li. Rain.
23	70.	82.	75.	74.5	86.8	65.3	21.5	68	59	68	N	S	W	6	188	N	0	Clear.	Clear.	Clear.
24	73.	85.	76.	74.5	86.8	65.3	21.5	60	52	60	N	S	W	8	141	N	0	Clear.	Clear.	Clear.
25	70.	80.	74.	71.0	81.3	59.1	22.2	66	46	68	N	S	W	10	153	N	0	Clear.	Clear.	Clear.
26	68.	80.	74.	71.0	81.3	59.1	22.2	60	47	82	N	S	W	7	131	S	0	Clear.	Clear.	Clear.
27	65.	67.	65.	65.0	74.0	64.8	9.2	90	85	85	N	S	W	4	98	S	0	Clear.	Clear.	Clear.
28	64.	77.	65.	64.5	78.0	59.1	18.9	85	58	85	N	E	N	7	120	N	.27	Li. Rain.	Li. Rain.	Li. Rain.
29	64.	71.	64.	64.0	73.2	58.7	14.5	67	64	83	N	E	N	8	181	E	.26	Clear.	Cloudy.	Cloudy.
30	67.	77.	68.	67.5	78.0	59.8	18.2	84	59	93	N	S	W	10	173	S	.04	Clear.	Clear.	Clear.
31	69.	78.	74.	71.5	79.4	59.9	19.5	89	74	86	N	S	W	6	197	S	0	Cloudy.	Clear.	Cloudy.
Month	67.2	75.0	69.4	68.3	77.1	59.7	18.1	74.3	60.6	77.6	8.4	8.8	7.3	5.4	154.9	S	Total	1.76		

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean)		COM. RAINFALL. (Inches and toots.)	
		Prevalving direction, S. and N. E.	Mean hourly velocity, 0.5 m.	Total number of days on which precipitation occurred, 11.	* Greatest 24 hour precipitation, (in. and toots.), 5.3; Date, 19th 20; Total in July precipitation, 1.76; and toots, 17.6	1873--72.4 deg.	1883--71.1 deg.	1873--1.55	1883--5.07
Highest, 30.27 in.; and 18th.	Lowest, 30.8 deg.; Date, 7th.	Max. hourly velocity and direction, 27 miles West; Date, 12th.	Total monthly movement, 4,802 miles.			1874--72.3	1884--67.8	1874--4.99	1884--5.69
Lowest, 29.54 in.; Date, 12th.	Greatest daily range, 26.9 deg.; Date, 30.					1875--73.0	1885--72.1	1875--4.42	1885--5.51
Monthly range, 7.3.	Least daily range, 7.7 deg.; Date, 19th.					1876--72.2	1886--70.1	1876--4.16	1886--4.69
	Mean daily range, 18.1 degrees.					1877--73.5	1887--74.5	1877--4.57	1887--4.69
						1878--73.1	1888--68.3	1878--4.57	1888--4.69
						1879--73.4	1889--68.3	1879--4.57	1889--4.69
						1880--73.5	1890--68.3	1880--4.57	1890--4.69
						1881--73.5	1891--68.3	1881--4.57	1891--4.69
						1882--71.6	1892--68.3	1882--4.57	1892--4.69

Number of clear days, 13. Number of fair days, 10. Number of cloudy days, 8.  
 Notes.—Observations taken on the 7th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Maximum velocity in any hour from midnight to midnight. A "T" in rainfall column indicates precipitation too small to measure. ¶ Humidity relative, saturation being 100. †† Maximum velocity in any hour from midnight to midnight.



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— OF THE —

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STATE BOARD OF HEALTH

FOR THE

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# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of August, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport.	40,000	74	22.2	43	58.1					4	1			4			25	5	6	1		5	3	3	17	4	
Bristol.	6,500	9	16.6	5	55.5												24	3	2	2		1		1	3	2	
Danbury.	18,000	50	33.3	33	66.					3							9	3	3	3		5	2	2	5	3	
Derby.	16,500	31	22.5	17	54.8												2	1	1	1		2		1	16	2	
Enfield.	8,000	21	31.5	6	28.5			2									5	2	1	1		2	1	1	2	2	
Greenwich.	12,000	14	14.	6	42.8												2	1	1	1		2	2	2	5	2	
Groton.	5,250	10	22.8	3	30.												24	1	11	1	3	8	2	4	27	8	
Hartford.	50,000	91	18.2	40	43.9					3				4	3		13	1	1	1		1	2	1	2	2	
Killingly.	8,000	20	30.	14	70.												5	1	1	1		11	1	2	2	2	
Manchester.	7,200	10	16.6	4	40.												22	6	7	1		11	1	2	5	2	
Middleton.	24,300	63	31.1	37	58.7					3							1	2	4	1		7	3	1	7	2	
Middletown.	13,000	29	17.1	5	17.2												1	1	1	1		1		1	1	3	
Naugatuck.	6,000	13	26.	10	76.9												5	15	13	4	3	11	6	4	10	3	
New Britain.	18,500	43	27.8	28	65.1									3	5		45	15	13	4	3	11	6	4	4	9	
New Haven.	80,000	161	22.5	82	50.9												10	5	1	2	2	4	1	1	18	9	
New London.	14,000	39	33.4	21	53.8												16	5	1	1		1	1	1	10	3	
Norwalk.	17,000	39	27.5	21	53.8												12	2	3	3		8	5	1	12	3	
Norwich.	25,000	45	21.6	23	51.1												1	2	1	1		3	1	3	3	1	
Putnam.	6,800	6	10.5	1	16.6												1	1	2	2		1			2	2	
Southington.	5,500	9	19.6	4	44.4												1	2	2	2		1			2	2	
Stamford.	16,000	40	30.	14	35.												8	3	6	3		7	6	3	7	7	
Stonington.	7,500	15	24.	8	53.3												5	3	1	1		1			5	5	
Stratford.	5,250	24	27.4	6	25.												6	3	1	1		4	4	2	5	5	
Thompson.	5,600	13	27.3	8	61.5												5	2	3	1		1			5	5	
Vernon.	8,000	16	24.	10	62.5												10	2	2	2		2			5	5	
Wallingford.	5,500	7	15.2	5	71.4												27	8	6	3	2	6	1	1	1	1	
Waterbury.	30,000	75	30.	47	62.6												1	3	2	2		1	1	1	17	1	
Winchester.	5,700	11	23.1	3	27.2												1	3	2	2		1	1	1	2	2	
Windham.	10,000	15	18.	5	33.3												3	5	2	2		2			2	2	
Total of twenty-nine of the above towns reporting.	475,100	993	25.	509	51.2					4	17	5	1	22	16	4	3	307	75	79	18	9	101	43	31	253	38
One hundred and thirty-five other towns of less than 5,000 inhabitants report the following mortality:—	250,726	440	21.	143	32.5					3	7	3	1	10	7	2	2	119	36	36	7	3	25	26	27	126	3
Total reported from 164 towns.	725,826	1433	23.6	652	45.4					7	24	8	2	32	23	6	5	426	111	115	25	12	126	69	58	379	41
Population of 3 towns not reporting.	4,450																										
Total estimated population of State.	739,276																										

The Mortality in Public Institutions of the State were: in Hartford, 15; in Middletown, 10; in New Haven, 11; and in Stratford, 12. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in August: Andover, Avon, Bethlehem, East Granby, Goshen, Hartland, Middlebury, Norfolk, North Branford, Old Lyme, Salem, Sherman, Sterling, Union—14.

From the Registrars of the following towns no report was received for August: Ellington, New Fairfield, North Stonington—3.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 28 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Andover**—Dysentery among adults and intestinal disorders in children.—*Dr. Flint.*

**Bethel**—Intestinal inflammations among adults tending to Dysentery. Also a few cases of Typhoid Fever.—*Dr. Lyon.*

**Bloomfield**—Healthy compared with what August ordinarily is. Only a few cases of bowel complaints.—*Dr. Gray.*

**Bridgeport**—Malaria—partly in consequence of opening the ground for a large trunk sewer. Scarlet Fever and Typhoid Fever are more frequent than usual, and Diphtheria is also reported with some fatal results. The diarrhoeal diseases have a dysenteric character. The deaths from children were more than fifty per cent. of the whole mortality.—*Dr. Wordin.*

**Brooklyn**—Less sickness than usual. Some Cholera Infantum.—*Dr. Coburn.*

**Canaan**—Diarrhoeas and other intestinal troubles, with a few cases of Malaria.—*Dr. Wilcox.*

**Canton**—More sickness than usual. Mostly disorders of abdominal organs, and a few cases of Typhoid Fever.—*Dr. Lewis.*

**Colchester**—The most notable event of the month was the occurrence of Small Pox in a person just returned from California. The prompt and judicious action of the local Board of Health, in establishing rigid quarantine of the house in which the patient was sick, in careful attention to disinfection, in vaccinating all who were exposed, and in observing the directions contained in the circular of the State Board, has thus far prevented any effects of contagion. The patient is convalescing.—*Correspondence with Town Board.*

**Cornwall**—More sickness than is common in August. There are no fevers; but Diarrhoea and Dysentery.—*Dr. Skiff.*

**Coventry**—Average amount of sickness. Chiefly disorders of the Digestive System. Some of them dysenteric.—*Dr. Dean.*

**Falls Village**—Less bowel disorders than in former years. Some Malarial Fevers, occasionally with a typhoid type, and a few cases of Cholera Infantum.—*Dr. Carter.*

**Farmington**—An outbreak of Diphtheria occurred in August with fatal results which awakened some of the prominent citizens to the need of greater attention to public hygiene. By invitation Profs. Brewer and Lindsley of the State Board addressed a large public meeting of the citizens on the evening of the 29th on the subject of Town Hygiene. Since then a Sanitary Association has been formed as auxiliary to the local Board of Health, and a Sanitary Inspector has been employed to make a sanitary survey of the town. The Local Board have also adopted the Sanitary Regulations suggested by the State Board, and Farmington presents an example of public enterprise worthy of imitation by many other towns in the State.

**Griswold**—"Diarrhoea and Dysentery more frequent than in any other year that I remember." Among children the sickness is largely confined to bottle-fed babies.—*Dr. Jennings.*

**Haddam**—More sick than usual this August. Dysentery has been more prevalent and of more severe type than for many years. One case of Typhoid Fever. Malarial disorders are becoming less frequent.—*Dr. Hazen.*

**Hartford**—The Diarrhoeal disorders have been most frequent and fatal, causing 26 deaths in a total of 92. Diphtheria and Typhoid Fever are also in the city. Nothing else of sanitary interest to report.—*Dr. Knight.*

**Hebron**—Rather more sickness than in July, but not more than usual for August. One death from Pernicious Fever, and Diarrhoeal diseases among children.—*Dr. Pendleton.*

**New Haven**—An unusual number of Zymotic diseases with a marked decrease in the constitutional class. An epidemic of Typhoid Fever, chiefly in the seventh Ward, ascribed to bad plumbing and defective

drainage. Forty-four cases have been reported in the month with 6 deaths. Scarlet Fever, Diphtheria and Measles have also been present. Infantile Diarrhoeas were just as fatal as in July.—*Dr. Williston, Health Officer.*

**Newtown**—Cholera Infantum and Dysentery are reported as epidemic *Dr. Stiles.*

**Norwalk**—Dysentery, generally mild, and Gastro-intestinal troubles have been very prevalent. Four cases of Scarlet Fever and one of Typhoid, were reported. There was also one case of Varioloid in the early part of the month.—*Dr. Gregory.*

**Norwich**—More sickness than usual. Mostly disorders of the alimentary canal.—*Dr. Paddock.*

**Portland**—One case of Diphtheritic Dysentery, fatal. Much Cholera Infantum and large mortality. Some Typhoid and Malarial Fevers. Measles imported from an ocean steamer via Castle Garden.—*Dr. Gardner.*

**Ridgefield**—Not one-quarter as sickly as last year. Some mild Diarrhoeas and Dysentery occasionally, yielding readily to treatment.—*Dr. Todd.*

**Roxbury**—Gastro-intestinal troubles principally, and one imported case of Typhoid Fever.—*Dr. Pons.*

**Salem**—Many diseases of the nervous system and an unusual number of cases of heart disorders. A few cases of Diarrhoeas. Rather more sickness than in July.—*Dr. Congdon.*

**Suffield**—More than usual amount of sickness. Several severe Typhoid Fever cases and a few of Measles. Bowel complaints frequent.—*Dr. Mason.*

**Westport**—Dysentery and Malarial Fever.—*Dr. Day.*

**Wethersfield**—A few cases of intestinal diseases of considerable severity. Less Malarial disorders than last year.—*Dr. Warner.*

**Wilton**—Malarial and Intestinal disorders.—*Dr. Gorham.*

The health of the State during August was not as good as in July. Not since the month of July in 1887 has the death-rate been so high.

From all our correspondents as well as from the mortality reports of the Registrars, the testimony is that the increase of mortality is due to the great prevalence of Diarrhoeal diseases. Diarrhoeal diseases are in great degree "filth diseases." Their prevalence indicates beyond question the influence of unsanitary conditions about the homes of the people, which call for reform. When more than 37 per cent. of all the mortality in the State results from Diarrhoeal diseases, it is proof positive that the homes of the people are unsanitary. That the oft-repeated statement of our small towns that "we have no need for a board of health," "there is nothing for a board of health to do," is a large mistake. There is not a town in the State where an intelligent and active board of health could not find abundant work to do, and work of such utility and effect as to save in each of them annually many valuable lives.

If before another summer every town board of health in Connecticut will enact and enforce the sanitary regulations recently published by the State Board, concerning Privy Vaults, Cesspools, Drains, and Garbage, the fact will never occur again to the people of this commonwealth that 37 per cent. of the whole mortality will be caused by Diarrhoeal diseases, so long as such laws are obeyed.

**Small Pox.**—Has occurred in Colchester and Norwalk, during the month. Both cases are recovering. The timely and well directed action of the local health boards has prevented extension of the disease.

**Scarlet Fever** was reported in Bridgeport, Enfield, New Haven, Norwalk, and Waterbury. 4 deaths.

**Typhoid Fever** occurred in Bethel, Bridgeport, Haddam, Hartford, Middletown, New Britain, New Haven, New London, Norwalk, Putnam, Roxbury, Southington, Suffield, Stratford, Waterbury, and Windham. 32 deaths.

**Diphtheria.**—In Bridgeport, Danbury, Hartford, Manchester, Meriden, New Haven, Portland, Stonington, and Waterbury. 8 deaths.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, September 15, 1888.

# METEOROLOGICAL REPORT FOR THE MONTH OF AUGUST, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.*		CHARACTER OF WEATHER.			OF THE DAY.				
DATE.	8 A. M.	3 P. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	3 P. M.	8 P. M.	Direction.	Vel.	Direction.	Vel.	Daily Movement.	Max. Direction.		S. Max. Velocity.	Any In-ches or Snow.		
1	73.	73.	68	70.5	79.6	66.7	12.9	93	71	88	W	3	S E	8	S E	5	S E	16	.28	Cloudy.	Clear.
2	64.	72.	77	68.0	80.9	56.7	24.2	72	66	75	N W	6	S W	6	S W	2	S W	8	0	Cloudy.	Clear.
3	69.	82.	71.	70.0	82.8	58.9	23.9	77	53	72	W	0	S W	10	S W	2	S W	12	0	Smoky.	Clear.
4	73.	86.	71.	72.0	81.3	67.3	17.0	73	73	95	S W	11	S W	12	S	2	181	33	.49	Fair.	Cloudy.
5	74.	76.	75.	74.5	80.6	70.2	10.4	91	87	90	0	0	S	5	0	50	N E	10	.14	Cloudy.	Cloudy.
6	75.	71.	69.	72.0	70.3	68.4	7.9	91	94	93	E	5	N E	8	N E	6	423	12	.06	Cloudy.	Cloudy.
7	75.	71.	71.	68.0	74.0	63.3	11.0	90	87	93	N E	4	S	6	S	4	129	12	0	Cloudy.	Cloudy.
8	67.	70.	70.	68.5	76.0	65.5	5.1	100	95	98	W	7	S E	10	S W	9	140	14	0	Cloudy.	Fair.
9	75.	84.	77.	76.0	85.0	68.9	16.1	89	66	67	S W	3	S	8	N W	3	141	16	0	Clear.	Clear.
10	68.	77.	69.	68.5	78.5	62.3	16.2	58	42	65	N E	10	N	5	N W	3	199	10	0	Clear.	Fair.
11	66.	73.	68.	67.0	76.7	54.5	22.2	65	62	81	E	6	S E	5	S E	2	140	16	.05	Cloudy.	Cloudy.
12	69.	70.	67.	68.5	72.8	59.6	13.2	78	68	76	S W	12	N W	20	N W	9	225	23	.34	Clear.	Clear.
13	72.	70.	61.	66.5	74.8	60.2	14.6	68	58	65	W	11	W	10	W	4	199	16	0	Cloudy.	Cloudy.
14	68.	81.	73.	70.5	81.5	61.0	29.5	81	61	88	S W	4	S W	12	S W	5	154	13	0	Clear.	Fair.
15	68.	79.	79.	77.0	90.8	70.3	20.7	89	64	81	S W	7	S W	11	S W	8	133	18	.06	Cloudy.	Cloudy.
16	75.	80.	74.	75.0	85.3	72.3	13.0	87	89	93	N W	6	N W	4	S W	8	132	11	.02	Clear.	Fair.
17	70.	80.	72.	73.0	82.7	69.9	12.8	78	68	86	N W	8	S W	5	S W	8	140	14	0	Cloudy.	Clear.
18	74.	78.	70.	70.0	78.5	64.9	13.6	55	56	79	N W	6	S W	9	S W	8	140	14	0	Cloudy.	Fair.
19	70.	78.	73.	71.5	81.2	63.9	17.3	76	62	78	S W	2	S	12	S	2	74	12	0	Cloudy.	Cloudy.
20	70.	64.	62.	66.0	70.2	62.0	8.2	91	92	100	S	5	S E	7	N E	18	169	43	213	Hy Rain	Fair.
21	70.	68.	72.	65.0	75.5	60.3	15.2	76	60	63	N W	10	N W	10	N	12	274	20	354	Clear.	Fair.
22	68.	72.	62.	65.0	75.5	60.3	15.2	76	60	63	N W	10	N W	8	N	6	179	17	0	Clear.	Clear.
23	58.	69.	64.	61.0	71.0	49.8	21.2	73	53	51	N W	11	N W	8	N	6	179	17	0	Clear.	Clear.
24	67.	80.	73.	70.0	81.0	58.0	23.0	73	60	63	S W	3	S W	13	S W	12	214	19	0	Fair.	Clear.
25	70.	83.	70.	71.0	83.2	63.1	20.1	72	54	80	W	4	W	9	S W	7	143	12	0	Clear.	Clear.
26	71.	82.	72.	71.5	83.1	62.1	21.1	68	48	79	S W	1	N W	15	N W	8	161	16	0	Clear.	Fair.
27	75.	78.	64.	69.5	80.1	62.0	18.1	77	59	59	W	11	N W	12	N W	8	202	10	0	Clear.	Clear.
28	69.	68.	60.	59.5	69.4	51.7	17.7	72	52	48	N W	12	N W	13	W	4	207	22	0	Clear.	Clear.
29	53.	74.	66.	64.5	75.5	52.5	23.0	64	50	85	W	6	S W	10	S W	4	160	14	0	Clear.	Clear.
30	67.	76.	69.	68.0	79.9	58.0	21.9	80	65	78	S W	4	S W	11	S W	6	143	14	0	Clear.	Clear.
31	69.	74.	68.	68.5	78.8	64.0	14.8	82	77	88	W	3	S	11	S	8	153	13	0	Fair.	Cloudy.
Month Total.	69.1	76.0	69.4	69.2	78.8	62.0	16.8	78.3	66.0	78.2	SW	6.2	SW	9.6	SW	6.1	155.5	SW	16.2	7.10	Cloudy.

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths).
Monthly Mean, 29.97 inches. Highest, 30.30 in.; Date, 11th. Lowest, 29.49 in.; Date, 21st. Monthly range, .81.	Monthly Mean, 69.2 degrees. Highest, 90.8 deg.; Date, 16th. Lowest, 49.8 deg.; Date, 23d. Absolute range, 41.0 degrees. Greatest daily range, 24.2 deg; Date, 2d. Least daily range, 5.1 deg; Date, 8th. Mean daily range, 16.8 degrees.	Prevailing direction, S. W. Mean hourly velocity, 6.5 m. Max. hourly velocity and direction, 43 miles N. E.; Date, 21st. Total monthly movement, 4.879 miles,	Total number of days on which precipitation occurred, 11. *Greatest 24 hour precipitation, (in. and tenths), 5.67; Date, 1876.-72.6 1877.-74.1 Total in thirty precipitation (in. and tenths), 74.6 Total depth of snow fall (inches and tenths), 0. Dates of Thunder Storms, 4, 17, 21.	1873.-69.1 deg. 1883.-67.3 deg. 1874.-68.1 " 1884.-69.1 " 1875.-71.9 " 1885.-71.9 " 1876.-72.6 " 1886.-68.2 " 1877.-74.1 " 1887.-69.2 " 1878.-72.1 " 1888.-69.2 " 1879.-69.7 " 1889.- 1880.-70.2 " 1890.- 1881.-71.2 " 1891.- 1882.-69.7 " 1892.-	1873.-9.90 1883.-1.26 1874.-2.09 1884.-5.60 1875.-5.56 1885.-5.60 1876.-1.20 1886.-4.56 1877.-5.69 1887.-4.56 1878.-4.93 1888.-7.10 1879.-9.40 1889.- 1880.-8.14 1890.- 1881.-2.51 1891.- 1882.-0.26 1892.-

Monthly mean humidity, 78.2 per cent. Monthly mean dew point, 62. Number of fair days, 10. Number of cloudy days, 8.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet;  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Snow is melted and resulting amount of  
 water recorded. A "T" in rainfall column indicates precipitation too small to measure. ¶ Humidity relative saturation being 100. § Maximum velocity in any hour from midnight  
 to midnight.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF SEPTEMBER, 1888.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of September, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport.	40,000	69	20.7	28	40.5	---	---	1	---	---	1	---	3	1	1	---	15	1	5	4	1	16	1	4	16	13
Bristol.	6,500	4	7.3	2	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.	18,000	18	12.	6	33.3	---	---	---	---	---	---	---	1	1	---	---	2	1	1	1	1	4	1	1	4	---
Derby.	16,500	21	15.2	9	42.8	---	---	---	---	1	---	---	---	---	---	---	2	1	1	1	1	4	1	1	7	---
Enfield.	8,000	9	13.5	5	55.5	---	---	---	---	---	---	---	---	---	---	---	1	1	3	1	1	4	1	1	8	---
Greenwich.	9,000	17	22.6	5	29.4	---	---	---	---	---	---	---	---	---	---	---	4	1	3	1	1	4	1	1	6	1
Groton.	5,250	5	11.4	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.	50,000	79	15.8	25	31.6	---	---	---	---	---	---	---	1	---	---	---	8	1	5	2	1	5	4	6	35	6
Killingly.	8,000	9	13.5	3	33.3	---	---	---	---	---	---	---	2	1	---	---	1	2	1	2	1	2	1	2	14	2
Manchester.	7,200	9	15.	3	33.3	---	---	---	---	---	---	---	2	2	---	---	3	1	8	2	1	6	1	2	14	2
Meriden.	24,300	49	24.	18	36.7	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	3	3	2	2	10	2
Middletown.	13,000	21	11.	5	23.8	---	---	---	---	---	---	---	4	---	---	---	1	3	3	1	1	3	2	1	10	2
Naugatuck.	6,000	9	18.	6	66.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.	18,500	19	12.3	13	68.4	---	---	---	---	---	---	---	1	---	---	---	5	1	19	5	2	14	10	4	33	6
New Haven.	80,000	124	16.	38	30.6	---	---	---	---	---	---	---	2	2	1	---	17	6	19	5	2	14	10	4	33	6
New London.	14,000	22	11.7	12	54.5	---	---	---	---	---	---	---	11	---	---	---	4	1	1	1	1	2	1	2	13	1
Norwalk.	17,000	28	19.7	7	25.	---	---	---	---	---	---	---	2	2	1	---	1	1	1	1	1	2	3	2	10	1
Norwich.	25,000	22	10.5	8	36.3	---	---	---	---	---	---	---	2	---	---	---	1	3	1	1	1	1	7	1	6	2
Putnam.	6,800	6	10.5	1	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.	5,500	11	24.	3	27.2	---	---	---	---	---	---	---	1	---	---	---	7	1	2	1	1	1	2	1	2	3
Stamford.	16,000	26	19.5	14	53.8	---	---	---	---	---	---	---	1	---	---	---	7	1	2	5	2	5	2	1	2	8
Stonington.	7,500	9	14.4	2	22.2	---	---	---	---	---	---	---	1	---	---	---	1	1	3	1	1	3	1	---	---	---
Stratford.	5,250	9	13.7	1	11.1	---	---	---	---	---	---	---	---	---	---	---	1	1	1	1	1	3	1	---	---	---
Thompson.	5,600	10	21.6	7	20.	---	---	---	---	---	---	---	---	---	---	---	6	1	1	1	1	1	1	---	---	---
Vernon.	8,000	10	15.	2	20.	---	---	---	---	---	---	---	1	---	---	---	1	1	1	1	1	2	1	---	---	---
Wallingford.	5,500	10	21.8	2	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.	30,000	40	16.	22	55.	---	---	---	---	---	---	---	2	---	---	---	1	2	5	1	1	4	3	1	14	4
Winchester.	5,700	10	21.	4	40.	---	---	---	---	---	---	---	---	---	---	---	---	2	1	1	1	2	1	1	1	1
Windham.	10,000	8	9.6	2	25.	---	---	---	---	---	---	---	---	---	---	---	2	1	1	1	1	1	1	1	2	1
Total of twenty-nine of the above towns reporting.	472,100	683	17.3	254	37.1	---	---	1	1	23	2	---	39	9	7	2	97	25	72	18	6	92	37	29	223	45
One hundred and thirty-six other towns of less than 5,000 inhabitants report the following mortality... }	248,876	349	16.8	98	28.	---	---	---	4	8	1	1	14	3	4	1	56	25	40	7	3	41	31	10	100	7
Total reported from 165 towns.	720,976	1032	17.1	352	34.1	---	---	1	5	31	3	1	53	12	11	3	153	50	112	25	9	133	68	39	323	52
Population of towns not reporting.	6,300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State.	727,276	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Hartford, 13; in Middletown, 9; in New Haven, 17; and in Stratford, 3. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in September: Ashford, Avon, Bozrah, Brookfield, Chaplin, Clinton, Durham, Easton, Franklin, Goshen, Hampton, Killingworth, Lyme, New Fairfield, Newington, North Canaan, Pomfret, Rocky Hill, Salem, Saybrook, Union, Warren, Wolcott, Woodbridge—24.

From the Registrars of the following towns no report was received for September: Canton and Orange—2.

# REMARKS.

In addition to the foregoing report of mortality, this office is in receipt of 27 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Andover**—Neuralgia and functional derangements and inflammations of abdominal organs.—*Dr. Flint, Sr. Coventry.*

**Ashford**—Typhoid Fever is prevailing, and among children there is Diarrhoea.—*Dr. Simmons.*

**Avon**—A few cases of Typhoid Fever—none fatal yet.—*Dr. Alcott.*

**Bloomfield**—Very little sickness.—*Dr. Gray.*

**Brooklyn**—Typhoid Fever among adults, and Diarrhoea among children.—*Dr. Coburn.*

**Canaan**—Dysentery and Diarrhoea—mild. Typhoid Fever in Falls Village, and in adjoining town of Salisbury.—*Dr. Wilcox.*

**Chatham**—An outbreak of Diphtheria in the Gate School District, with 3 deaths, in 8 cases in different families. No Diphtheria in other parts of the town.—*H. B. Brown, Clerk of Board of Health.*

**Clinton**—Less sickness than for many years.—*Dr. Webb.*

**Cornwall**—Usual amount and kind of sickness at this season.—*Dr. Skiff.*

**Coventry**—Very little sickness until the last week in the month, during which occurred a good deal of acute Bronchitis.—*Dr. Dean.*

**Danielsonville**—More Typhoid Fever and less Infantile Diarrhoea than in any one year in the last decade.—*Dr. Judson.*

**Falls Village**—More fevers and less bowel troubles than usual in September. Typhoid Fever quite prevalent.—*Dr. Carter.*

**Griswold**—Typhoid Fever, Rheumatism and Dysentery and Diarrhoea among children. Typhoid Fever has not appeared here before in five years. The cases are all in tenement houses occupied by factory workmen.—*Dr. Jennings.*

**Haddam**—Not so much sickness as in former Septembers in my experience. Typhoid Fever is prevailing and inclined to long duration.—*Dr. Smith.*

**Hartford**—Very little sickness during the month; less than the death-rate would indicate, which is 19.7, about the average for September. Typhoid Fever was fatal in 4 cases. Diphtheria in 7.—*Dr. Knight.*

**Hebron**—An unusually small amount of sickness.—*Dr. Pendleton.*

**Madison**—Mild Dysenteries, Diarrhoeas and a few cases of Typhoid Fever.—*Dr. Webb.*

**New Hartford**—Mumps, Measles, Diphtheria and Typhoid Fever. The last suspected to be due to the well which was very low and probably polluted by the leachings from a privy 20 feet distant and a stable not much farther away.—*Dr. Burwell.*

**Newtown**—Dysentery and Bowel troubles in general.—*Dr. Stiles.*

**New Haven**—Typhoid Fevers unusually prevalent; mostly limited to unsanitary localities. The majority of the cases limited to a narrow area in the northeastern section of the city. 6 cases of Scarlet Fever were also reported, but no deaths; and 9 cases of Diphtheria with 2 deaths.—*Dr. Williston, Health Officer.*

**Portland**—Mumps and Measles—hardly to be called epidemic. Malaria in various forms, sometimes with fever running from ten to thirty days. A number of cases of Jaundice and Acute Hepatitis, traceable in each case to Malarial poisoning.—*Dr. Griswold.*

Two sudden deaths from Pernicious Fever, and one from Typhoid. Chills and Fever observed in infants.—*Dr. Gardner.*

**Roxbury**—Health of the town has not been so good in years.—*Dr. Pons.*

**Salem**—A case of Gastritis, with Toxic symptoms in a delicate woman, from drinking cheap tea—25 cents per pound. There was almost an epidemic of Diarrhoea about the middle of the month.—*Dr. Congdon.*

**Westport**—Nothing to report.—*Dr. Day.*

**Wethersfield**—Nothing to report.—*Dr. Warner.*

**Wilton**—Bronchitis and mild Dysentery is all.—*Dr. Gorham.*

There has been a very marked improvement in the general health of the State in September as compared with the month before. Although in reference to a few diseases the mortality has increased, as Diphtheria and Typhoid Fever.

A greater number of towns report no deaths. Twenty-eight towns report only one death in each.

The lessened mortality has not been specially limited to any definite portions of the State, but has been very general and uniform in every part. In the twenty-nine large towns there were 310 less deaths, and in the other 135 small towns reporting, there were 291 less than in August.

**Small Pox**—No case of this has been reported during the month.

**Scarlet Fever**—Has almost disappeared from Connecticut. There was only one death in the whole State; that was in Bridgeport. The only other town which reported its presence was New Haven. Proper precautions in the future ought to make its occurrence a rarity.

**Typhoid Fever**—Of this disease there is a very noticeable increase in all parts of the State. It is reported as present in Ashford, Avon, Bridgeport, Brooklyn, Cromwell, Danbury, Danielsonville, Derby, Eastford, Falls Village, Glastonbury, Griswold, Haddam, Hartford, Hebron, Madison, Meriden, New Hartford, New Haven, Norwalk, Norwich, Plainfield, Portland, Salisbury, Seymour, Southington, South Windsor, Suffield, Thomaston, Vernon, Waterbury, and Wethersfield. In all thirty towns, just double the number of the previous month. There were fifty-three deaths as against thirty-two in August.

In several towns the appearance of the disease has been characterized by the occurrence of several cases in close proximity both as to time and place; as if a number of patients had been exposed to the same infection.

The spread of infection from a Typhoid Fever patient can be more easily and certainly prevented than from any other disease. It is only necessary to thoroughly disinfect all the intestinal dejections before finally disposing of them. Circulars on the use of Disinfectants will be freely furnished to all who apply to this office for them.

**Diphtheria**—Has occurred in Bolton, Chatham, Danbury, Derby, Hartford, Meriden, Middlefield, New Hartford, New Haven, Norwalk, Putnam, Southington, Torrington, Vernon, and Waterbury, with thirty-one deaths, being an increase of seven deaths over those in August, from that disease.

**Diarrhoeal Diseases**—The greatest reduction in the mortality was in Diarrhoeal Disorders. In August there were 537 deaths from them, while in September there were but 203, a falling off of over 62 per cent.

The total deaths reported in September was 1032, against 1433 in August. The death rate in September was 17.1, in the month before 23.6 per 1000.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, October 15, 1888.

**Patent Medicines**—"Get the best of Whiskey," said Eli Perkins, "and it will get the best of you." Make the sentence read, "Get the best of patent medicines, and they will get the best of you," and you have expressed in one short, homely phrase pretty nearly the truth. Patent medicines, in the brighter day coming, will be regarded as dangerous products, and be placed under such limitations as law, common safety and common sense demand.—*Druggist's Circular.*

# METEOROLOGICAL REPORT FOR THE MONTH OF SEPT., 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†						RELATIVE HUMIDITY.‡			WIND.					PRECIPITATION.⁴	CHARACTER OF WEATHER.			CHARACTER OF THE DAY.		
	8 A. M.	3 P. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	3 P. M.	8 P. M.	3 P. M.		8 P. M.			Daily Movement.	Max. Direction.	Max. Velocity.			
											Direction.	Vel. per h.	Direction.	Vel.							
1	71.	76.	72.	71.5	78.0	67.8	10.2	95	74	86	S	NW	6	NW	3	147	S	16	Cloudy.	Clear.	
2	62.	75.	65.	63.5	75.7	61.0	14.7	73	54	51	N	N	6	NW	3	174	N	16	Fair.	Clear.	
3	62.	71.	66.	64.0	74.0	54.7	19.3	78	75	80	E	SE	6	NW	4	154	N	12	Cloudy.	Cloudy.	
4	63.	67.	65.	64.0	67.8	59.9	7.9	86	80	66	N	SE	4	SE	6	109	E	12	Cloudy.	Cloudy.	
5	66.	72.	61.	63.5	75.3	60.8	14.5	91	56	66	N	N	11	N	10	173	N	12	Clear.	Clear.	
6	48.	56.	50.	49.0	58.0	44.4	13.6	67	64	70	N	NE	9	NE	4	223	N	22	Fair.	Fair.	
7	48.	59.	57.	52.5	62.0	40.4	21.6	73	87	81	N	SE	12	E	4	238	NW	18	Fair.	Fair.	
8	59.	74.	68.	63.5	75.3	52.6	23.2	94	00	96	N	SE	13	E	5	186	S	18	Cloudy.	Cloudy.	
9	67.	69.	66.	67.5	71.0	60.0	10.0	95	56	86	N	SW	6	SW	4	67	S	10	Lt. Rain.	Lt. Rain.	
10	67.	74.	62.	69.0	76.0	56.5	16.1	90	76	76	N	SW	6	SW	4	133	NW	17	Cloudy.	Cloudy.	
11	66.	77.	62.	69.0	76.0	56.5	16.1	95	76	76	N	SE	10	NW	3	250	N	19	Fair.	Fair.	
12	57.	75.	70.	63.5	76.0	56.5	14.7	89	54	75	N	SW	10	NW	3	146	SW	20	Clear.	Clear.	
13	63.	67.	57.	60.0	70.7	50.0	20.7	82	64	73	N	W	13	NW	9	160	N	15	Clear.	Clear.	
14	54.	68.	59.	56.5	69.0	46.3	22.7	78	62	79	N	W	6	W	3	103	SE	10	Clear.	Clear.	
15	58.	69.	62.	60.0	71.0	46.0	25.0	78	62	79	N	SE	7	SW	4	256	SE	20	Cloudy.	Cloudy.	
16	62.	69.	66.	65.0	70.3	54.4	15.9	98	91	98	E	SE	11	SE	13	81	S	13	Hy. Rain	Lt. Rain.	
17	68.	71.	70.	69.0	71.7	67.8	3.9	98	95	96	N	SE	14	SE	8	212	N	16	Cloudy.	Cloudy.	
18	70.	75.	63.	66.5	70.0	62.4	7.6	100	85	90	N	SE	14	SE	3	173	N	14	Cloudy.	Cloudy.	
19	63.	64.	64.	63.0	66.9	56.7	16.2	92	83	92	N	SE	11	N	5	212	N	19	Clear.	Clear.	
20	63.	67.	63.	63.0	67.9	61.5	6.4	92	83	92	N	SE	11	N	4	166	N	19	Clear.	Clear.	
21	60.	66.	58.	59.0	68.1	57.5	10.6	97	70	89	N	SE	12	N	5	212	N	20	Cloudy.	Cloudy.	
22	57.	64.	57.	57.0	66.0	51.3	14.7	82	71	89	N	NE	11	N	4	182	N	13	Clear.	Fair.	
23	58.	60.	56.	57.0	62.0	52.0	10.0	82	84	85	N	NE	10	N	7	151	N	17	Clear.	Clear.	
24	55.	67.	55.	55.0	68.0	49.9	18.1	78	57	85	N	NE	6	NE	6	159	N	10	Clear.	Clear.	
25	58.	64.	55.	55.0	68.0	49.9	18.1	78	57	85	N	NE	6	NE	6	205	N	28	Cloudy.	Cloudy.	
26	53.	64.	60.	56.5	67.2	51.0	16.2	94	73	85	N	NW	10	SW	5	172	W	17	Fair.	Fair.	
27	62.	69.	61.	61.5	75.0	53.4	21.6	74	62	77	N	W	10	NW	6	172	W	17	Clear.	Clear.	
28	54.	60.	48.	51.0	62.0	47.5	14.5	73	63	77	N	W	12	NW	6	124	NW	14	Clear.	Clear.	
29	40.	51.	43.	44.5	52.4	39.4	13.0	82	63	68	N	W	6	N	4	105	SW	12	Cloudy.	Fair.	
30	36.	49.	44.	43.5	51.2	31.8	19.4	84	68	90	N	SW	6	N	5	105	SW	12	Cloudy.	Fair.	
Month Mean.	58.5	66.1	60.3	59.4	68.4	53.8	14.6	85.0	70.6	83.6	N	7.6	NE	8.1	N	5.6	168.4	NE	14.6	Total.	7.68

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and roots.)	
	Monthly Mean.	Monthly Range.	Prevailing direction, N.	Mean hourly velocity, 28 miles N.	Total number of days on which precipitation occurred, 15.	*Greatest 24 hour precipitation (in. and roots), 1.97; Date, 17 & 18; Total in this precipitation (in. and roots), 7.08	1873--62	deg.	1873--212	deg.
Monthly Mean, 30.07 inches.	58.5	44.0 to 75.0	North	7.6	15	1.97; Date, 17 & 18	1874--65	"	1874--407	"
Highest, 30.61 in.; Date, 7th.	66.1	75.0	North	7.6	15	1.97; Date, 17 & 18	1875--61	"	1875--210	"
Lowest, 29.48 in.; Date, 26th.	60.3	44.0	North	7.6	15	1.97; Date, 17 & 18	1880--63	"	1880--534	"
Monthly range, 1.16.	6.1	11.0	North	7.6	15	1.97; Date, 17 & 18	1887--66	"	1887--113	"
			North	7.6	15	1.97; Date, 17 & 18	1888--59	"	1888--767	"
			North	7.6	15	1.97; Date, 17 & 18	1889--62	"	1889--413	"
			North	7.6	15	1.97; Date, 17 & 18	1890--	"	1890--373	"
			North	7.6	15	1.97; Date, 17 & 18	1891--	"	1891--443	"
			North	7.6	15	1.97; Date, 17 & 18	1892--	"	1892--1343	"

Monthly mean humidity, 84 per cent. Number of fair days, 10. Number of cloudy days, 13.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32° below zero. \* Snow is melted and resulting amount of elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Maximum velocity in any hour from midnight to midnight water recorded. A "T" in rainfall column indicates precipitation too small to measure. ¶ Humidity relative, saturation being 100. § Maximum velocity in any hour from midnight to midnight.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF OCTOBER, 1888.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of October, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport.....	40,000	57	17.1	19	33.3	---	---	---	---	5	1	---	2	2	---	---	1	---	12	4	1	8	4	2	15	3
Bristol.....	6,500	12	22.1	7	58.3	---	---	---	---	---	---	---	3	1	---	---	---	---	---	---	---	---	4	1	3	---
Danbury.....	18,000	41	22.7	9	21.9	---	---	---	---	---	---	---	3	1	---	---	---	---	---	---	---	---	3	2	0	2
Derby.....	16,500	25	18.1	8	32.	---	---	---	---	---	---	---	5	---	---	---	---	---	---	---	---	---	2	1	4	2
Enfield.....	8,000	4	6.	1	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	4	2
Greenwich.....	9,000	8	10.6	2	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	3	---	3
Groton.....	5,250	4	9.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Hartford.....	50,000	71	14.1	15	21.1	---	---	---	---	---	---	---	5	---	---	---	---	---	10	2	4	10	6	2	22	7
Killingly.....	8,000	9	13.5	1	11.1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	1	2	2
Manchester.....	7,200	10	16.6	2	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2
Meriden.....	24,300	34	10.3	15	41.1	---	---	---	---	10	---	---	2	1	---	---	---	---	---	---	---	---	---	---	---	4
Middletown.....	14,000	22	7.7	1	4.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Naugatuck.....	6,000	12	24.	3	25.	---	---	---	---	---	---	---	5	---	---	---	---	---	---	---	---	---	---	---	---	3
New Britain.....	18,500	28	17.5	5	17.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2
New Haven.....	86,000	132	16.8	45	34.	---	---	---	---	---	---	---	5	3	---	---	---	---	---	---	---	---	---	---	---	4
New London.....	14,000	18	15.4	8	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Norwalk.....	17,000	17	12.	3	17.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8
Norwich.....	25,000	22	10.5	4	18.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10
Putnam.....	6,800	7	12.3	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4
Southington.....	5,500	6	13.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Stamford.....	16,000	12	9.	6	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
Stonington.....	7,500	14	22.4	2	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5
Stratford.....	5,250	15	13.7	1	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
Thompson.....	5,600	5	10.7	3	60.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Vernon.....	10,000	6	7.2	1	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2
Wallingford.....	5,500	5	10.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Waterbury.....	30,000	37	14.8	12	32.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4
Winchester.....	5,700	8	16.8	2	25.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5
Windham.....	10,000	12	14.1	1	83.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of twenty-nine of the above towns reporting,.....	481,100	653	16.2	177	27.1	---	---	---	---	---	---	---	38	10	4	5	24	6	87	35	20	75	54	20	211	38
One hundred and thirty-five other towns of less than 5,000 inhabitants report the following mortality:—	250,870	306	14.8	42	13.7	---	---	---	---	---	---	---	24	5	5	1	11	5	41	21	5	32	25	12	98	10
Total reported from 162 towns,.....	731,976	959	15.7	219	22.8	---	---	---	---	---	---	---	62	15	9	6	35	11	128	56	25	107	79	32	310	48
Population of towns not reporting,.....	4,300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State,.....	736,276	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Hartford, 12; in Middletown, 13; in New Haven, 11; and in Stratford, 9. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in October: Avon, Barkhamsted, Bozrah, Canterbury, Colebrook, Columbia, Durham, East Granby, Hampton, Hartland, Harwinton, Hebron, Killingworth, Lebanon, Ledyard, Marlborough, Morris, Norfolk, North Branford, North Stonington, Prospect, Sherman, Southbury, South Windsor, Sterling, Union, Voluntown, Woodbridge, Woodbury,—29.

From the Registrars of the following towns no report was received for October: Easton, East Haven, Essex,—3.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 23 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Avon**—Less sickness than last month.—*Dr. Alcott.*

**Andover**—A few cases of Diarrhoea and one of Diphtheria.—*Dr. Flint, So. Coventry.*

**Ashford**—No particular disease prevailing. No children sick.—*Dr. Simmons.*

**Bloomfield**—Much non-inflammatory Rheumatism, ascribed to prevailing rains and cold, damp weather.—*Dr. Gray.*

**Branford**—Less than the average amount of sickness for October. A few cases of Typhoid Fever. Several of Membranous Croup and Diphtheria. 4 fatal.—*Dr. Gaylord.*

**Canaan**—Catarrhs, Bronchitis with cough.—*Dr. Wilcox, Falls Village.*

**Cornwall**—No fevers of any type. No serious sickness. September and October unusually healthy.—*Dr. Skiff.*

**Coventry**—Common colds are very common. One mild case of Scarlet Fever.—*Dr. Dean.*

**Durham**—Typhoid Fever epidemic. One fatal case in a house where the sink drain ended near the well. Diarrhoeas are prevalent.—*Dr. Mathewson.*

**Falls Village**—May be counted a healthy month. Rheumatisms and Neuralgias are common with a few mild cases of Pneumonia. Also some bowel troubles.—*Dr. Carter.*

**Griswold**—A few cases of Typhoid Fever.—*Dr. Jennings.*

**Haddam**—No prevailing sickness.—*Dr. Hazen.* Some Typhoid Fever and Malaria.—*Dr. Smith.*

**Hebron**—Mild type of Intermittent Fever and some Bronchial troubles.—*Dr. Pendleton.*

**New Hartford**—More Typhoid Fever this month than last. Whooping Cough was introduced in the Pine Meadow district about October 1st. There are now a number of mild cases; also some Catarrhs and Pneumonia.

The following is instructive and illustrative:

Sept. 11, 1888, Mrs. K, a woman 50 years old, married and the mother of two young men, was suffering from general fever and Malaria and as the disease progressed it developed as Typhoid Fever. Sept. 20th one of the sons was taken with the Fever. Age 24. Oct. 20 his brother was attacked and died in 43 hours from Congestion of the Lungs. Age 22.

The premises are peculiarly situated. The house is a story and half high and is situated near a high railroad embankment. The embankment is probably 30 feet high and the house is in some parts about 20 feet to the south of it. On the east of the house is a livery barn where horses are stabled. The privy with vault is between the house and railroad embankment, and about 15 feet from the well which is a driven well and represented to be about 30 feet deep. During the dry weather the well furnished but little water. It is situated in the south-east corner of the house, and over it is the sink. The water from the sink was originally carried off by an underground pipe which became choked and failed to act. The occupants of the house dug down to the drainage pipe and after following it a few feet left it to discharge its contents within six feet of the entrance of the well.

In the barn within about 12 feet of the well is an excavation dug to the depth of 6 or 8 feet and filled with cobble stones over which wagons and carriages are washed and just back of that is an open yard containing manure and wet with falling rains which percolate through into the cesspool and probably from that into the well.—*Dr. Burwell.*

**New Haven**—A higher death-rate for October, due perhaps to rainy weather. No other special cause apparent as all classes of disease are normally represented. Prevailing diseases among adults were Typhoid Fever, Phthisis and Heart diseases and among children Diphtheria and Diarrhoea. There were twenty cases of Typhoid Fever reported with six deaths. Only one case of Scarlet Fever reported which was not fatal. The deaths from Infantile Diarrhoea were unusually numerous for October.—*Dr. Williston.*

**Newtown**—A scare of Scarlet Fever resulting from a number of sore throat and cases of Chicken Pox. There were however three cases of Scarlet Fever and seven of Chicken Pox. Typhoid Fever has also occurred. The origin of the above fevers has not been well determined.—*Dr. Stiles.*

**Ridgefield**—One case of Typhoid Fever with intestinal hemorrhage, very severe. Not from local causes. Also a case of Diphtheria without assignable cause.—*Dr. Todd.*

**Salem**—No severe sickness this month either among adults or children.—*Dr. Congdon.*

**Suffield**—Three or four cases of Typhoid Fever in families in which it had occurred before. Also Malarial Fevers, Rheumatism and Neuralgia. Bowel complaints among children declining.—*Dr. Mason.*

**Thomaston**—Scarlet Fever in the village.—*F. W. Etheredge, Clerk of Board of Health.*

**Watertown**—No unusual amount of sickness. No Diphtheria, Scarlet Fever, or Measles. A few cases of Dysentery, not severe, and some Remittent and Intermittent Fever. An unusual mortality among old men.—*Dr. Munger.*

**Westport**—Remarkably healthy considering the weather.—*Dr. Day.*

**Wethersfield**—A notable absence of any serious disease.—*Dr. Warner.*

**Wilton**—No epidemic. Only Malaria, throat and lung troubles, in mild form.—*Dr. Gorham.*

Comparing the mortality in October with that in the previous month, a decided difference is observed. There were 1,032 reported in September and only 958 in October. The death-rate in the latter month being 15.7 per 1,000 against 17.1 in September. The difference being due to the diminished deaths from Diarrhoeal diseases. In September there were 203; in October there were only 46.

There were more deaths in October from Scarlet Fever, Cerebro-Spinal Fever, Diphtheria, Whooping Cough, Erysipelas, Typhoid Fever, Malarial Fever, Puerperal Fever, Consumption, Pneumonia, Bronchitis and Diseases of the Heart than in September. So that, although there is a lessened death-rate, except in the single matter of Diarrhoeal diseases which are always so much influenced by temperature, the general health of the State is not so good as in the previous month. Every one of the special diseases mentioned in this Bulletin, except Diarrhoea, caused a larger mortality than in the previous month.

**Small Pox**—Does not now exist within the borders of the State, although it is still present in several other States of the Union.

**Scarlet Fever**—Was reported at Bolton, Danbury, Derby, New Haven, Newtown, Thomaston and Waterbury, with 9 deaths.

**Cerebro-Spinal Fever**—13 fatal cases were reported from Danbury, Derby, Canton, Huntington, New Haven, New London, Norwalk and Windham.

**Typhoid Fever**—Has occurred with 62 fatal results in the towns of Branford, Bridgeport, Bristol, Danbury, Derby, Durham, Griswold, Haddam, Hartford, Manchester, New Britain, New Haven, New Hartford, Newtown, Ridgefield, Suffield, Thompson, Vernon, Waterbury and Windham.

**Diphtheria and Croup**—Appeared in Andover, Branford, Bristol, Bridgeport, Danbury, Derby, Greenwich, Hartford, Meriden, New Haven, Norwich, Stonington, Stratford and Waterbury, with 58 deaths. A larger mortality from these diseases than in any month since January.

With such an increased mortality from the Zymotic diseases, it cannot be considered that the public health is in fact in better condition than in September. Although the actual number of deaths is less.

**Population**—Since the making up of the voting lists for the recent election several towns have notified the Secretary of an increased population. So that in the estimate of death-rates for October the estimated population of the State was put at 736,276, instead of 727,276 as heretofore, an increase of 9,000. Of this 6,000 is accredited to New Haven, based on a voting list of 19,175. Estimating that there are 4½ persons to every voter, will make the population of New Haven equal 86,287. The usual estimate is 5 persons to each voter, which would give New Haven 95,875 inhabitants.

**O. A. LINDSLEY, M.D.,**

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, November 15, 1888.



# METEOROLOGICAL REPORT FOR THE MONTH OF OCTOBER, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN. H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION.*	CHARACTER OF WEATHER			OF THE DAY.			
	8 A. M.	3 P. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.		3 P. M.			Daily Movement.	Max. Direction.	S. Max. Velocity.		S. A. M.	N. A. M.	E. A. M.
								Direction.	Vel. per h.	Direction.	Vel.								
1	39.	55.	59.	49.0	59.0	34.1	24.9	96	87	83	N	3	SW	10	18	SW	15	18	Clear.
2	57.	64.	59.	53.5	66.0	40.0	16.0	90	44	80	SW	10	SW	18	25	SW	23	25	Clear.
3	43.	46.	39.	41.0	49.0	33.9	15.1	73	51	73	NW	6	SW	8	13	SW	15	23	Clear.
4	39.	54.	52.	45.5	55.0	35.2	21.8	78	50	72	NW	6	SW	8	16	SW	13	15	Clear.
5	52.	64.	59.	55.5	66.2	42.8	23.4	87	59	92	SW	5	SW	12	14	SW	14	15	Clear.
6	54.	60.	60.	57.0	61.5	42.7	18.8	94	97	97	SW	2	SW	8	14	SW	21	21	Clear.
7	54.	55.	50.	52.0	57.1	40.8	16.3	89	71	75	N	11	NW	8	16	NW	19	19	Clear.
8	49.	56.	47.	48.0	58.2	44.2	14.0	71	50	67	NW	12	NW	15	23	NW	23	23	Clear.
9	38.	44.	38.	38.0	46.7	33.4	13.3	57	55	79	NW	12	NW	4	19	NW	21	21	Clear.
10	40.	53.	42.	41.0	53.3	33.8	19.5	68	48	69	NW	10	NW	6	17	NW	13	13	Clear.
11	40.	50.	48.	44.0	50.5	33.2	17.3	77	64	74	N	4	NE	8	25	NE	10	10	Cloudy.
12	46.	52.	53.	49.5	53.3	44.9	8.4	94	97	83	N	13	N	12	12	N	20	20	Cloudy.
13	48.	57.	49.	48.5	60.7	45.7	15.0	95	75	94	N	2	N	11	20	N	12	12	Cloudy.
14	42.	42.	42.	42.0	43.0	41.4	1.6	66	93	89	N	10	N	3	12	N	20	20	Cloudy.
15	45.	55.	46.	44.0	56.1	37.4	18.7	80	55	90	N	15	N	3	17	N	18	18	Clear.
16	45.	55.	49.	47.0	54.8	39.6	15.2	90	90	98	N	7	NW	4	12	NW	22	22	Clear.
17	48.	53.	47.	47.5	59.8	42.8	17.0	90	72	86	N	12	NW	7	18	NW	20	20	Clear.
18	44.	55.	46.	45.0	55.3	39.5	15.8	82	43	58	N	15	NW	7	18	NW	21	21	Clear.
19	37.	48.	55.	48.0	58.5	33.4	22.1	87	86	92	N	4	SE	15	12	SE	11	11	Clear.
20	48.	56.	48.	48.0	57.5	47.6	9.9	94	50	93	N	12	NW	8	15	NW	15	15	Clear.
21	42.	44.	36.	39.0	45.2	35.7	9.5	66	53	73	N	12	NW	4	12	NW	15	15	Clear.
22	37.	48.	43.	43.0	49.6	31.0	18.6	79	53	74	N	4	SW	2	11	SW	15	15	Clear.
23	45.	49.	49.	47.0	51.1	43.5	7.6	81	95	97	N	3	SW	2	11	SW	15	15	Clear.
24	52.	56.	49.	50.5	57.4	43.7	13.7	92	72	87	N	17	NW	6	17	NW	28	28	Clear.
25	46.	59.	50.	48.0	59.4	39.4	20.0	98	77	64	N	10	NW	4	12	NW	11	11	Clear.
26	41.	50.	48.	44.5	59.1	37.4	21.6	73	64	73	N	16	NW	4	18	NW	15	15	Clear.
27	44.	58.	50.	50.0	58.2	41.9	16.3	98	94	86	N	17	NW	4	18	NW	20	20	Cloudy.
28	37.	48.	41.	43.0	52.1	38.3	13.7	67	51	82	N	10	NW	4	13	NW	21	21	Cloudy.
29	41.	45.	38.	39.5	46.3	37.2	9.1	74	51	79	N	12	NW	4	21	NW	25	25	Clear.
30	41.	45.	38.	39.5	46.3	37.2	9.1	74	51	79	N	12	NW	4	21	NW	25	25	Clear.
31	37.	55.	51.	44.0	55.5	29.6	25.9	77	65	90	N	4	NW	8	19	NW	19	19	Clear.
Month	41.9	53.0	49.9	46.4	55.2	40.1	15.1	82.9	67.0	80.1	NW	6.1	NW	10.8	NW	6.6	173.1	18.0	Total, 6.46

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and rooths.)
Monthly Mean, 29.962 inches. Highest, 30.46 in.; Date, 26th. Lowest, 29.47 in.; Date, 2 & 8th. Monthly range, .99.	Monthly Mean, 46.1 degrees. Highest, 66.2 deg.; Date, 5th. Lowest, 29.6 deg.; Date, 31st. Absolute range, 36.6 degrees. Greatest daily range, 25.9 deg.; Date, 31st Least daily range, 1.6 deg.; Date, 14th. Mean daily range, 15.1 degrees.	Prevailing direction, N. W. Mean hourly velocity, 7.2. Max. hourly velocity and direc- tion, 28 miles N. W. Date, 24th. Total monthly movement, 5,366 miles.	Total number of days on which precipitation occurred, 18. *Greatest 24 hour precipitation (in. and rooths), 2.61; Date, 6 & 7; Total in thly precipi- tation (in. and rooths), 6.46 Total depth of snow fall (inches and rooths), 0. Dates of Thunder Storms, 7, 17,	1873--52.3 deg. 1874--52.5 " 1875--52.3 " 1876--50.5 " 1877--54.8 " 1878--58.7 " 1879--58.7 " 1880--51.5 " 1881--55.9 " 1882--55.3 "	1873--6.18 1883--5.87 1874--1.86 1884--2.19 1875--3.18 1885--5.37 1876--1.07 1886--1.95 1877--10.09 1887--3.44 1878--2.33 1888--6.46 1879--1.41 1889--3.33 1880--1.47 1890-- 1881--2.78 1891-- 1882--3.51 1892--

Monthly mean humidity, 82 per cent. Monthly mean dew point, 49.7. Number of clear days, 8. Number of fair days, 13. NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; of elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Humidity relative saturation being 100. § Maximum velocity in any hour from midnight to midnight.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF NOVEMBER, 1888.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of November, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous system.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport.....	40,000	55	16.5	12	21.8	---	2	1	7	---	1	1	---	1	2	5	4	1	6	7	7	2	15	4		
Bristol.....	6,500	9	16.6	1	11.1	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	1	2	---	
Danbury.....	18,000	33	22	6	18.1	---	---	---	7	---	1	1	---	---	---	1	2	---	---	---	---	6	5	1	9	---
Derby.....	16,500	23	16.1	4	17.3	---	---	---	1	3	---	---	---	---	---	---	---	---	---	---	---	1	10	2	---	
Enfield.....	8,000	5	7.5	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	
Greenwich.....	9,000	12	16	3	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Groton.....	5,250	2	4.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford.....	51,000	70	16.2	17	21.5	---	1	1	5	---	6	1	---	---	---	---	---	---	---	---	---	---	---	---	---	
Killing.....	8,000	8	12	2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester.....	7,200	2	3.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Meriden.....	24,300	33	16.2	9	27.2	---	---	---	6	1	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middletown.....	14,000	13	3.4	5	38.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nagatuck.....	6,000	8	16	3	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain.....	18,500	17	11	2	11.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Haven.....	86,000	104	12.4	27	25.9	---	1	7	1	1	2	3	---	---	---	---	---	---	---	---	---	---	---	---	---	
New London.....	14,000	17	11.5	2	11.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwalk.....	17,000	19	13.4	2	10.5	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwich.....	25,000	26	12.4	1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Putnam.....	6,800	9	15.8	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Southington.....	5,500	4	8.7	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford.....	16,000	16	12	6	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington.....	7,500	9	14.4	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stratford.....	5,250	6	13.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thompson.....	5,000	7	15	---	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon.....	10,000	4	4.8	2	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.....	5,500	5	10.9	1	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.....	30,000	29	11.6	9	31	---	1	1	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windsor.....	5,700	10	21	1	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.....	10,000	8	9.6	2	25	---	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of twenty-nine of the above towns reporting.....	482,100	572	11.0	124	21.6	---	1	7	8	52	3	2	17	9	3	6	81	25	64	54	31	174	37	---	---	
One hundred and thirty-seven other towns of less than 5,000 inhabitants report the following mortality:--	251,520	278	13.3	25	9	---	5	2	6	1	2	12	2	5	---	4	2	34	16	5	41	43	21	77	7	
Total reported from 166 towns.....	733,620	850	13.9	149	17.5	---	1	12	10	58	4	29	11	8	7	10	8	115	31	27	105	97	62	251	44	
Population of town not reporting.....	2,650	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State.....	736,270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Hartford, 10; in Middletown, 9; in New Haven, 15; and in Stratford, 0. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in November: Andover, Barkhamsted, Beacon Falls, Bethlehem, Bozrah, Canaan, Chaplin, Columbia, Eastford, Easton, Franklin, Goshen, Granby, Lyme, Marlborough, Middlebury, Middlefield, New Fairfield, Plainfield, Prospect, Salem, Saybrook, Scotland, Sherman, Voluntown, West Hartford, Weston, Woodbridge,—28.

From the Registrars of Woodstock no report was received for November.



## REMARKS.

In addition to the above report of mortality, this office is in receipt of 30 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Andover**—A month of general good health.—*Dr. E. P. Flint, S. Coventry.*

**Ashford**—The prevailing sickness is bronchial.—*Dr. Simmons.*

**Avon**—General health of town good. No prevailing sickness.—*Dr. Alcott.*

**Bloomfield**—Many cases of mild Bronchitis, and a few of Typhoid Fever. None fatal.—*Dr. Gray.*

**Bolton**—Malignant Scarlet Fever, confined to one family. There have been 9 cases in October and November, with 5 deaths. The malignancy may have been due to unhygienic surroundings. There are no cases now in town.—*Dr. Sumner.*

**Bridgeport**—No unusual sickness. Mortality from various causes, without much preponderance of any one. Diphtheria, Typhoid Fever and Scarlet Fever, have been fatal in a few cases.—*Dr. Worden.*

**Brooklyn**—Among adults a little Typhoid Fever and some Pneumonia, with many common colds.—*Dr. Coburn.*

**Canaan**—Rheumatism and Catarrh among adults, and little of anything among children.—*Dr. Wilcox.*

**Coventry**—Less sickness than usual.—*Dr. Dean.*

**Falls Village**—No epidemics. Some Pneumonia.—*Dr. Carter.*

**Griswold**—Prevailing diseases—Pneumonia, Diphtheria and Typhoid Fever, with few fatal results. Among children we have had Meningitis and Scabies.—*Dr. Jennings.*

**Guilford**—A time of general good health. Diarrhoeas and Malarial affections somewhat frequent, and one fatal case of Typhoid Fever.—*Dr. Beebe.*

**Hartford**—Nothing of special interest to report. The mortality not large, but from unusual causes.—*Dr. Knight.*

**Hebron**—Malarial and Catarrhal troubles are most frequently seen.—*Dr. Pendleton.*

**New Canaan**—One fatal case of Diphtheria, incurred while nursing her two grandchildren in Danbury.—*Dr. Brownson.*

**New Hartford**—Whooping Cough has been epidemic for 3 months, but as yet without any fatal results.—*Dr. Burwell.*

**New Haven**—A material decrease in death rate from the preceding month, with fewer cases of zymotic diseases reported. The lowest death rate during the present year. Typhoid Fever less than in preceding months. Scarlet Fever and Diphtheria more prevalent; seven cases of Scarlet Fever reported. Deaths from Bronchitis have been unusually numerous. The death rate for the year 1888 will, in New Haven, be considerably greater than it has been for some years past, largely due to increased number of deaths from zymotic diseases.—*Dr. S. W. Williston.*

**Newtown**—Prevailing diseases are Pneumonia and Bronchitis.—*Dr. Stiles.*

**Norwalk**—We have a few cases of Scarlet Fever, Diphtheria, Typhoid Fever and Mumps.—*Dr. Gregory.*

**Norwich**—The Doctors would be idle, if not for a few cases of the Chicken Pox, and an occasional Rheumatic patient.—*Dr. Paddock.*

**Portland**—Mumps still epidemic—some complicated with Abscess of Parotid Gland and others with Orchitis. Mild affections of the air passages very common, with some cases of Pneumonia. Have noticed several instances of Albumenuria while treating Malarial cases with arsenic—the symptom was temporary in all of them.—*Dr. Griswold.*

**Ridgefield**—Two cases of Mumps. But in spite of the changeable and wet weather, the month has been one of the healthiest I have ever known.—*Dr. Todd.*

**Salem**—Among adults, Diarrhoea, Rheumatism, Bronchitis, Tonsillitis and Diphtheria, and among children Pneumonia and Diphtheria.—*Dr. Congdon.*

**Salisbury**—A case of Typhoid Fever.—*Dr. Wilcox.*

**Suffield**—Not much sickness of any sort. Mumps in the south part of the town.—*Dr. Mason.*

**Westport**—Remarkably healthy. A few cases of Pneumonia among old people.—*Dr. Day.*

**Wethersfield**—Very little sickness. One case of Typhoid Fever. A death also from Pneumonia.—*Dr. Warren.*

**Wilton**—Bronchitis, Rheumatism, Neuralgia and Sore Throats.—*Dr. Gorham.*

**Windham**—Scarlatina and Diphtheria, in that part of the town occupied by the French and Irish. It is in a very unsanitary condition.—*Dr. Fox.*

**Woodstock**—Typhoid Fever quite prevalent. Also Colds, Pneumonia and Bilious Fever.—*Dr. Lowe.*

There was only one small town in the State from which no report has been received. The total deaths reported in November, viz: 850, and the total in October 959, shows a diminished mortality of 116 and a death-rate of 13.9 against 15.7 of the previous month. The difference is due very largely to the diminished fatality from Typhoid Fever, Diarrhoeal diseases and Consumption. In October there were 62 deaths from Typhoid Fever, and only 29 in November. There were 46 from Diarrhoea and only 18 in November, and there were 128 in October from Consumption and in November only 115. From Diphtheria there were exactly the same in each month, 58. The lessened mortality from Typhoid Fever is very marked.

The health of the State is exceptionally good. The death-rate is less than in any previous month in the year.

**Measles**—But one case was reported in the State and that was fatal.

**Scarlet Fever** was reported from Bridgeport, Berlin, Bolton, Hartford, Naugatuck, Norwalk, Rocky Hill, Winchester and Windham, with 12 deaths.

**Cerebro-Spinal Fever** was reported from Bridgeport, Canterbury, Derby, Griswold, Hartford, New Haven, Vernon, Wallingford, Waterbury and Windham with 10 deaths, one in each town.

**Typhoid Fever** has occurred in Bloomfield, Bridgeport, Bristol, Brooklyn, Danbury, Durham, Griswold, Guilford, Hamden, Hartford, Meriden, Milford, Montville, New Britain, Morris, New Haven, Norwalk, Norwalk, Salisbury, South Windsor, Thomaston, Waterbury, Wethersfield, Windsor and Woodstock, with 29 deaths.

**Diphtheria and Croup**—Cases of these diseases were reported in Branford, Bridgeport, Clinton, Danbury, Derby, Greenwich, Griswold, Hartford, Kent, Lisbon, Meriden, New Canaan, New Haven, Norwalk, Putnam, Salem, Seymour, Vernon, Watertown, Windham and Windsor, with 58 deaths.

This shows a much reduced totality of deaths, but the proportion of the prominent zymotic diseases is not very much less.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, December 15, 1888.

# METEOROLOGICAL REPORT FOR THE MONTH OF NOVEMBER, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				Precipitation. inches.	CHARACTER OF WEATHER.			CHARACTER OF THE DAY.		
	8 A. M.	3 P. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	3 P. M.	8 P. M.	8 P. M.			8 A. M.	3 P. M.	8 P. M.			
											Direction.	Vel. per h.						Direction.	Vel.
1	50.	67.	56.	53.0	67.1	47.3	19.8	88	63	91	S	8	SW	10	S	4	Clear.	Clear.	Clear.
2	53.	64.	59.	58.0	65.8	48.7	16.1	94	74	83	S	9	S	9	SW	12	Clear.	Fair.	Fair.
3	58.	60.	48.	53.0	60.9	47.9	13.0	94	75	61	N	4	NW	7	NW	4	Clear.	Cloudy.	Cloudy.
4	42.	55.	51.	46.5	61.0	37.9	23.1	78	64	83	N	7	SW	7	SW	4	Fair.	Fair.	Fair.
5	44.	55.	51.	48.5	60.0	37.0	23.0	86	72	91	S	3	SW	10	S	4	Fair.	Fair.	Fair.
6	46.	59.	58.	57.0	60.0	54.5	5.5	100	98	100	S	4	S	7	SW	6	Foggy.	Foggy.	Cloudy.
7	53.	57.	48.	50.5	57.8	47.5	10.3	72	55	66	N	16	N	10	E	12	Cloudy.	Cloudy.	Cloudy.
8	42.	48.	48.	48.0	48.2	40.5	7.7	81	81	86	N	16	N	12	E	12	Cloudy.	Cloudy.	Cloudy.
9	46.	60.	56.	52.0	60.7	43.8	16.9	90	97	98	N	14	N	8	SW	6	Foggy.	Foggy.	Cloudy.
10	53.	50.	61.	57.0	61.3	48.0	13.3	100	97	98	N	14	N	7	SW	16	Foggy.	Foggy.	Cloudy.
11	45.	47.	40.	42.5	51.5	40.0	11.5	79	61	70	N	8	N	7	SW	6	Clear.	Clear.	Clear.
12	39.	49.	44.	41.5	50.3	34.4	15.9	87	63	69	N	4	S	8	S	5	Clear.	Clear.	Clear.
13	30.	44.	44.	37.0	50.3	28.9	21.4	84	74	83	N	4	SW	13	SW	6	Clear.	Clear.	Clear.
14	43.	57.	50.	46.5	57.4	41.5	15.9	93	68	97	N	6	N	12	N	13	Clear.	Clear.	Clear.
15	48.	54.	55.	51.5	54.9	43.4	11.5	99	100	97	N	6	N	12	N	13	Clear.	Clear.	Clear.
16	49.	46.	40.	44.5	59.9	39.9	19.2	93	90	81	W	8	N	16	N	17	Clear.	Clear.	Clear.
17	35.	43.	33.	34.0	44.5	34.7	9.8	86	55	69	N	6	E	13	N	12	Clear.	Clear.	Clear.
18	28.	37	35.	31.5	38.8	25.2	13.6	88	73	80	N	4	E	14	N	18	Clear.	Clear.	Clear.
19	38.	52.	47.	42.5	53.3	33.8	20.5	100	98	96	N	4	N	9	N	2	Cloudy.	Cloudy.	Cloudy.
20	36.	41.	30.	33.0	42.5	30.1	12.4	62	51	73	N	16	N	12	N	2	Clear.	Clear.	Clear.
21	18.	30.	24.	21.0	42.5	15.8	26.7	70	72	75	N	17	N	12	N	2	Clear.	Clear.	Clear.
22	20.	36.	28.	24.0	36.6	17.2	19.4	87	63	60	N	9	N	8	N	4	Clear.	Clear.	Clear.
23	13.	29.	23.	18.0	30.4	16.8	19.6	84	64	76	N	9	N	8	N	4	Clear.	Clear.	Clear.
24	24.	33.	32.	28.0	34.5	21.2	13.3	93	76	85	N	15	N	12	N	5	Cloudy.	Cloudy.	Cloudy.
25	33.	30.	29.	31.0	33.0	28.5	4.5	91	95	95	N	15	N	12	N	5	Cloudy.	Cloudy.	Cloudy.
26	37.	42.	43.	40.0	43.5	27.3	16.2	91	92	92	N	32	N	15	N	3	Clear.	Clear.	Clear.
27	43.	42.	41.	41.5	45.0	39.9	5.1	93	85	82	N	36	N	15	N	3	Clear.	Clear.	Clear.
28	56.	44.	44.	38.0	40.6	36.9	3.7	92	86	93	N	24	N	8	N	3	Clear.	Clear.	Clear.
29	58.	44.	44.	38.0	40.6	36.9	3.7	92	86	93	N	4	NW	5	NW	3	Clear.	Clear.	Clear.
30	58.	44.	36.	37.0	45.1	36.2	8.9	94	72	73	W	3	NW	6	NW	3	Clear.	Clear.	Fair.
Month	45.8	43.2	43.2	41.5	50.5	36.1	14.3	87.9	74.5	83.3	N	9.6	NW	10.9	N	9.3	239.4	19.6	4.73

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and toots).
		Prevaling direction, N. E.	Total number of days on which occurred, 13.	Direction.	Velocity.		
Monthly Mean, 30.13 inches.	Monthly Mean, 41.5 degrees.	Mean hourly velocity, 9.9	* Greatest 24 hour precipitation, 18.75--37.5	Direction.	Velocity.	1873--33.1 deg.	1873--4.75
Highest, 36.81 in.; Date, 18th.	Highest, 67.1 deg.; Date, 1st.	Max. hourly velocity, 9.9	(in. and toots), 1.95; Date, 1875--37.5	Direction.	Velocity.	1884--40.9	1874--3.44
Lowest, 29.30 in.; Date, 26th.	Lowest, 10.8 deg.; Date, 23d.	25th.	1876--43.8	Direction.	Velocity.	1886--42.7	1875--7.44
Monthly range, 1.51.	Greatest daily range, 26.7 deg.; Date, 21st.	Total monthly movement, 7.183 miles,	1877--45.3	Direction.	Velocity.	1887--40.4	1876--4.43
	Least daily range, 3.7 deg.; Date, 29th.	Total excess of deficiency since Jan. 1 = degrees — 1053.	1878--42.5	Direction.	Velocity.	1888--41.5	1877--7.11
	Mean daily range, 14.3 degrees.		1879--41.9	Direction.	Velocity.	1889--	1878--6.33
			1880--39.3	Direction.	Velocity.	1890--	1879--2.33
			1881--43.1	Direction.	Velocity.	1891--	1880--2.33
			1882--37.8	Direction.	Velocity.	1892--	1881--4.18
				Direction.	Velocity.	1893--	1882--4.31

Monthly mean humidity, 86 per cent. Monthly mean dew point, 37. Number of fair days, 5. Number of cloudy days, 15.  
 Remarks.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 100 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100. ‡ Maximum velocity in any hour from midnight to midnight.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF DECEMBER, 1888.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of December, 1888.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,.....	40,000	19	18.3	20	32.7	---	---	1	---	5	1	---	---	---	---	---	---	---	10	4	3	8	6	2	21	2
Bristol,.....	6,500	7	12.9	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury,.....	18,000	21	14	5	23.8	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby,.....	16,500	22	16	10	45.4	---	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield,.....	8,000	9	13.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton,.....	9,000	23	30.6	8	34.7	---	---	1	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford,.....	5,250	5	11.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford,.....	58,000	78	15.7	11	14.1	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly,.....	9,000	12	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester,.....	27,400	9	15	3	33.3	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton,.....	24,800	29	18	12	41.3	---	---	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton,.....	1,000	10	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugauck,.....	6,000	10	20	1	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain,.....	18,800	36	23.2	2	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven,.....	86,000	120	15.2	32	27.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London,.....	14,000	16	13.7	2	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk,.....	17,000	21	14.8	5	23.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich,.....	25,000	23	11	1	4.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punnam,.....	6,800	8	14.1	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington,.....	5,500	3	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford,.....	16,000	20	15	5	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington,.....	7,500	14	22.4	1	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stratford,.....	5,250	10	13.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson,.....	5,600	4	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon,.....	10,000	8	9.6	3	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford,.....	5,500	1	2.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury,.....	30,000	41	16.4	13	31.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windsor,.....	5,700	4	8.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham,.....	10,000	11	13.2	3	27.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of twenty-nine of the above towns reporting,.....	482,100	645	16	140	21.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
One hundred and thirty-eight other towns of less than 5,000 inhabitants report the following mortality.....	255,176	395	14.3	30	9.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 167 towns,.....	737,276	950	15.4	174	18.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reporting,.....	1,825	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total estimated population of State,.....	737,276	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Hartford, 11; in Middletown, 9; in New Haven, 11; and in Stratford, 4. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in December: Ashford, Aron, Barkhamsted, Beacon Falls, Bolton, Burlington, Chaplin, Durham, Easton, East Lyme, Ellington, Hampton, Harwinton, Litchfield, Middlebury, Montville, Morris, Newington, North Stonington, Preston, Prospect, Salem, Sherman, Tolland, Warren, Washington, Woodstock,—23.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 37 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Andover**—Quite healthy—Mumps in adults only, none in children.—*Dr. Flint, South Coventry.*

**Ashford**—Prevailing diseases are “billious” attacks almost entirely.—*Dr. Simmons.*

**Avon**—No sickness.—*Dr. Alcott.*

**Bloomfield**—Healthy—Prevailing disorders Bronchial. One fatal case of Pneumonia.—*Dr. Gray.*

**Bridgeport**—Prevailing diseases among adults is an obstinate form of Bronchitis, with severe paroxysmal cough. Among children, Scarlet Fever.—*Dr. Wordin.*

During the first week in December, in a circuit of about half a mile, some eleven cases of Diphtheria have been reported and three deaths. This was in East Bridgeport in the Sixth Ward. Have had very little Diphtheria previous to this outbreak. Scarlet Fever has prevailed more or less all over the city for the past two months.—*R. Fitzgibbons, Health Officer.*

**Brooklyn**—A very little Pneumonia and a good deal of Rheumatism. No children ill.—*Dr. Coburn.*

**Canaan**—Pneumonia mild. Coughs, Colds and Rheumatism among adults; the children pretty well.—*Dr. Wilcox.*

**Coventry**—Mumps epidemic—many cases, mostly among children; also much Bronchitis, Diphtheria rare, none fatal. No Scarlet Fever or Typhoid.—*Dr. Dean.*

**Fairfield**—There are seven cases of Scarlatina in one family. Source of infection unknown. No other cases nearer than Bridgeport. No other cases in town known to me.—*Dr. Donaldson.*

**Falls Village**—Some cases of Broncho-Pneumonia among adults, and among children sore throats and worms.—*Dr. Carter.*

**Griswold**—Measles, very common; also Chicken Pox and ordinary colds.—*Dr. Jennings.*

**Haddam**—No unusual sickness.—*Dr. Smith.*

The month has been unusually healthy.—*Dr. Hazen.*

**Hartford**—A few cases of Diphtheria with six deaths, otherwise nothing unusual for the season.—*Dr. Knight.*

**Hebron**—In a dwelling in the north part of the town occurred early in the month six or seven cases of Diphtheria in two families. Another in the same school district occurred afterwards. The sanitary conditions surrounding the first cases were not good. Besides this there has been no disease specially prevalent. Typhoid Fever has been present in one or more cases within the limits of the town.—*Dr. Pendleton.*

**Madison**—No sickness deserving of special notice.—*Dr. Webb.*

**New Hartford**—Have had a very healthy month. Whooping Cough is epidemic among the children.—*Dr. Burwell.*

**New Haven**—Typhoid Fever and Diphtheria are yet more prevalent than they should be. During the year 1888 the number of deaths from these two diseases has been nearly twice that in 1887. There has been 150 more deaths in New Haven the past year than in the previous year.—*Dr. Williston.*

**Newtown**—Prevailing diseases, Bronchitis, Pneumonia and Rheumatism.—*Dr. Stiles.*

**Norwalk**—The general health of the town has been good. There have been a few sporadic cases of Scarlet Fever. There is more Diphtheria prevalent this month than last, and Mumps is prevalent. There have also been one or two cases of Typhoid Fever.—*Dr. Gregory.*

**Norwich**—Nothing prevalent; Rheumatism more often met than other diseases. There is an occasional mild case of Scarlet Fever.—*Dr. Paddock.*

**Portland**—Mumps is epidemic, in an unusual number of cases involving the testicle, and in females the breasts. Sore throats in all varieties and diseases of the air passages prevail. A malarial element is observable in the majority of the cases of sickness.—*Dr. Griswold.*

Among the Swedish population there is much Dyspepsia and Gastric disorder, and some Malarial Dysentery.—*Dr. Gardner.*

**Ridgefield**—Mumps is quite prevalent, and severe. There was a single case of Pneumonia.—*Dr. Todd.*

**Rosky Hill**—A single and fatal instance of Scarlet Fever in a family of six children. Source of infection not discovered. No other case of the disease in town.—*Dr. Burr.*

**Roxbury**—No epidemic. Some Bronchitis and Pneumonia.—*Dr. Pons.*

**Salem**—Less sickness than usual. No two patients with same trouble.—*Dr. Congdon.*

**Southbury**—An outbreak of Diphtheria. Nearly all of one family of 12 persons suffering with it. Only one child has died, the others are convalescing. Supposed to be an importation from Waterbury or New Haven. Its origin has not been satisfactorily traced. The sanitary surroundings of this family were not what they should be. Every precautionary measure has been taken to prevent the spread of the infection, and thus far successful.—*Dr. Cooley, Health Officer.*

**Stamford**—General health of Stamford very good. Some cases of Scarlet Fever, one of which was fatal. Whooping Cough is quite prevalent. All other diseases less frequent than usual.—*Dr. Rogers.*

**Suffield**—As usual the healthiest month of the whole year. One fatal case of Diphtheria, and some milder cases.—*Dr. Mason.*

**Thomaston**—There is an extensive outbreak of Whooping Cough in Thomaston at the present time. The epidemic is not an unusually severe one as yet, two deaths only have occurred, both in the same family. More than a hundred children have the disease now; the first case was brought here from New York City. Several cases of Typhoid Fever are still in progress and one or two new cases have developed during the month. There have been no deaths from this cause since November. With the exception of these two diseases, the health of our community is very good.—*Dr. Goodwin.*

**Watertown**—Nothing epidemic. One case of Typhoid; a few of mild Remittents; two of Pneumonia, and the ordinary quantum of Colds.—*Dr. Munger.*

**Westbrook**—Considerable Bronchitis. Whooping Cough moderately prevalent.—*Dr. Bloomfield.*

**West Hartford**—Very little sickness since last summer. One case of Diphtheria and a fatal case of Pneumonia in a man past three score years and ten.—*Dr. Smith.*

**Westport**—Remarkably healthy.—*Dr. Day.*

**Wethersfield**—Scarlatina in one family.—*Dr. Warner.*

**Wilton**—Nothing prevailing but Catarrhs of the air passages.—*Dr. Gorham.*

**Windham**—The usual winter trouble of the air passages with malarial complication in some cases. A few cases of Diphtheria attributed to defective drainage and a cesspool nuisance.—*Dr. Fox.*

**Woodstock**—Lung troubles are chiefly prevalent and Rheumatism among children.

**Measles**—Only two cases in the State fatal. The disease is prevailing in Griswold.

**Scarlet Fever**—Was reported from Bridgeport, Fairfield, Greenwich, Norwalk, Rocky Hill, Stamford and Wethersfield with only four deaths.

**Cerebro-Spinal Fever**—Occurred fatally in Canterbury, Haddam, Huntington, Lisbon, New Haven, Plymouth, Southington, Suffield, Thomaston and Waterbury, with ten deaths, just as in the month before, one death in each town.

**Typhoid Fever**—Was reported in Canaan, Derby, East Haven, Groton, Hamden, Hartford, Hebron, Killingly, Meriden, New Haven, New Milford, Norwalk, Norwich, Orange, Plainville, Putnam, Thomaston, and Wethersfield, with 24 deaths in 13 towns.

**Diphtheria and Croup**—Cases of these diseases were reported in Bridgeport, Chatham, Clinton, Coventry, Danbury, Derby, Greenwich, Hartford, Hebron, Manchester, Meriden, Middletown, New Canaan, New Haven, Norwalk, Orange, Salisbury, Seymour, Southbury, Stonington, Stratford, Suffield, Waterbury, West Hartford, Windham, Windsor and Windsor Locks, with 68 deaths in 27 towns.

**Whooping Cough** is prevailing in Bridgeport, Meriden, New Hartford, Stamford, Thomaston, Waterbury and Westbrook with six deaths. Mumps is epidemic at Andover, New Hartford, Portland and Ridgefield.

There were 99 more deaths in the State than in the previous month. There has been more sickness and in somewhat greater variety.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, JANUARY 15, 1889.



# METEOROLOGICAL REPORT FOR THE MONTH OF DECEMBER, 1888.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE†				RELATIVE HUMIDITY.‡			WIND.				S. Me. Velocity.	Precipitation. (Inches and fractions.)	CHARACTER OF WEATHER.			CHARACTER OF THE DAY.
	8 A. M.	3 P. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	3 P. M.	8 P. M.	Direction.	Velocity.		8 A. M.	3 P. M.	8 P. M.	
1	37	38	30	33.5	41.0	30.1	10.9	82	56	73	W	4	0	Cloudy.	Fair.	Clear.	Fair.
2	26	43	37	34.5	43.7	24.9	18.8	84	70	76	W	19	0	Clear.	Clear.	Clear.	Clear.
3	32	36	30	32.6	43.7	27.4	16.3	95	80	70	W	5	0	Fair.	Cloudy.	Cloudy.	Cloudy.
4	37	46	35	35.5	35.3	30.0	14.7	74	62	84	SW	10	0	Cloudy.	Fair.	Clear.	Fair.
5	37	32	26	31.0	38.7	26.0	12.7	92	81	64	SW	10	0	Cloudy.	Clear.	Clear.	Clear.
6	37	32	26	31.0	38.7	26.0	12.7	92	81	64	SW	10	0	Cloudy.	Clear.	Clear.	Clear.
7	25	30	27	31.0	41.0	22.8	17.2	93	57	66	NW	13	0	Cloudy.	Clear.	Clear.	Clear.
8	37	45	40	38.5	46.2	32.9	13.3	80	71	82	NW	1	0	Cloudy.	Clear.	Clear.	Clear.
9	36	34	34	35.0	37.5	31.1	4.4	96	100	94	N	2	0	Cloudy.	Clear.	Clear.	Clear.
10	38	35	33	39.5	36.2	25.8	13.4	91	99	93	0	0	0	Clear.	Fair.	Fair.	Fair.
11	37	37	30	38.0	40.0	32.0	8.0	90	97	92	NE	24	0	Clear.	Clear.	Clear.	Clear.
12	30	31	27	28.5	34.6	26.0	8.6	97	72	72	NW	14	0	Clear.	Clear.	Clear.	Clear.
13	24	23	17	23.5	29.1	17.2	12.2	89	55	66	NW	18	0	Foggy.	Clear.	Clear.	Clear.
14	10	22	17	13.5	24.1	8.9	15.2	74	48	66	NW	12	0	Clear.	Clear.	Clear.	Clear.
15	15	31	32	23.5	33.3	8.9	24.4	75	45	80	W	3	0	Clear.	Clear.	Clear.	Clear.
16	34	46	46	40.0	47.8	30.7	17.1	76	76	89	SW	11	0	Clear.	Clear.	Clear.	Clear.
17	51	52	41	51.0	54.2	44.8	9.4	98	98	100	SW	12	0	Clear.	Clear.	Clear.	Clear.
18	41	34	27	20.5	40.7	27.4	13.3	91	70	73	NW	16	0	Clear.	Clear.	Clear.	Clear.
19	24	27	17	20.5	29.2	17.2	12.0	76	60	63	NW	13	0	Clear.	Clear.	Clear.	Clear.
20	13	24	21	17.0	26.1	11.0	15.1	89	62	72	N	4	0	Clear.	Clear.	Clear.	Clear.
21	23	32	30	26.5	34.5	20.0	13.9	81	72	90	W	6	0	Clear.	Clear.	Clear.	Clear.
22	6	18	13	9.5	26.0	5.0	15.0	72	40	61	NW	12	0	Clear.	Clear.	Clear.	Clear.
23	32	35	33	27.5	36.2	11.5	24.7	59	59	63	SW	12	0	Clear.	Clear.	Clear.	Clear.
24	31	46	38	34.5	47.0	28.2	18.8	84	50	70	SW	8	0	Clear.	Clear.	Clear.	Clear.
25	35	51	45	40.0	52.1	33.8	18.3	79	56	78	SW	11	0	Clear.	Clear.	Clear.	Clear.
26	38	48	44	41.0	49.7	37.4	12.3	97	66	92	SW	3	0	Clear.	Clear.	Clear.	Clear.
27	47	48	40	43.5	51.5	39.1	12.1	99	100	88	S	10	0	Clear.	Clear.	Clear.	Clear.
28	36	37	31	33.5	39.9	31.0	8.9	64	56	69	W	12	0	Clear.	Clear.	Clear.	Clear.
29	27	39	33	30.0	42.1	25.9	16.2	91	65	76	SW	3	0	Clear.	Clear.	Clear.	Clear.
30	27	42	37	33.0	43.7	24.4	19.3	90	65	81	0	0	0	Clear.	Clear.	Clear.	Clear.
31	40	43	42	41.0	44.0	36.3	7.7	92	88	92	SW	6	.02	Cloudy.	Cloudy.	Fair.	Cloudy.
Monthly Mean.	30.2	37.2	33.0	31.6	39.7	26.0	13.8	84.5	66.6	78.3	SW	7.9 NW & S W 10.3	5.68	Total.			
											SW	8.1	207.2				

\* Indicates trace of rainfall.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)
		Prevaling direction.	S. W. Mean hourly velocity.		Total number of days on which precipitation occurred.	1883--1884.	
Monthly Mean, 30.00 inches.	Monthly Mean, 31.6 degrees.	Prevaling direction, S. W.	Mean hourly velocity, 8.6	Total number of days on which precipitation occurred, 9.	1873--1874.	1873--1874.	1873--1874.
Highest, 54.60 in.; Date, 30th.	Highest, 54.2 degrees; Date, 17th.	Max hourly velocity and direction, 33 miles N. W. Date, 22d.	Max hourly velocity and direction, 33 miles N. W. Date, 22d.	* Greatest 24 hour precipitation (in. and tenths), 3.75; Date, 17th; Total monthly precipitation (in. and tenths), 5.68	1883--1884.	1883--1884.	1883--1884.
Lowest, 28.89 in.; Date, 18th.	Lowest, 28.8 degrees; Date, 18th.	Total monthly movement, 6,424 miles.	Total monthly movement, 6,424 miles.	Total depth of snow fall (inches and tenths), 1.379--3.56	1884--1885.	1884--1885.	1884--1885.
Monthly range, 17.1.	Monthly range, 17.1.	Least daily range, 4.1 deg.; Date, 9th.	Least daily range, 4.1 deg.; Date, 9th.	Dates of Thunder Storms, 1881--1882.	1885--1886.	1885--1886.	1885--1886.
		Mean daily range, 13.8 degrees.	Mean daily range, 13.8 degrees.	Total excess or deficiency since Jan. 1--10.99 in.	1886--1887.	1886--1887.	1886--1887.
		Total excess or deficiency since Jan. 1--10.99 in.	Total excess or deficiency since Jan. 1--10.99 in.		1887--1888.	1887--1888.	1887--1888.
					1888--1889.	1888--1889.	1888--1889.

Monthly mean humidity, 81 per cent.

Monthly mean dew point, 26.2

Number of clear days, 13.

Number of fair days, 9.

Number of cloudy days, 9.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. ‡ Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100. ‡ Maximum velocity in any hour from midnight to midnight.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JANUARY, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1889.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Peculiar Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,.....	40,000	42	12.6	8	10.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bristol,.....	6,500	12	12.9	14.2	10.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Danbury,.....	18,000	37	20.5	11	35.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Derby,.....	16,500	23	16.3	3	13.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Enfield,.....	8,000	4	6.	2	33.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Greenwich,.....	9,000	6	8.	2	33.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Groton,.....	5,250	3	6.8	3	6.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hartford,.....	51,000	66	12.9	16	24.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Killingly,.....	8,000	10	15.	10.	10.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Manchester,.....	7,200	15	25.	2	13.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Meriden,.....	24,300	29	14.3	10	34.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Middletown,.....	14,000	27	15.4	5	18.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Naugatuck,.....	6,000	6	12.	3	50.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New Britain,.....	18,500	15	9.7	7	46.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New Haven,.....	86,000	124	13.8	34	27.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New London,.....	14,000	21	18.	5	23.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Norwalk,.....	17,000	24	17.	7	29.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Norwich,.....	25,000	28	13.4	4	14.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Putnam,.....	6,800	6	10.5	3	50.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Southington,.....	5,500	8	17.4	1	17.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stamford,.....	16,000	14	10.5	3	21.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stonington,.....	7,500	9	14.4	1	11.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stratford,.....	5,250	7	11.4	1	11.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Thompson,.....	5,600	12	25.7	5	41.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vernon,.....	10,000	14	16.8	2	14.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Wallingford,.....	5,500	5	10.9	1	20.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Waterbury,.....	30,000	45	18.	12	26.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Winchester,.....	5,700	3	6.3	1	6.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Windham,.....	10,000	12	14.4	2	16.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total of twenty-nine of the above towns reporting,.....	482,100	616	15.3	148	24.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
One hundred and thirty-eight other towns of less than 5,000 inhabitants report the following mortality:—... }	255,176	276	12.9	30	10.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total reported from 167 towns,.....	737,276	892	14.5	178	19.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Population of towns not reporting,.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total estimated population of State,.....	737,276	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

The Mortality in Public Institutions of the State were: in Hartford, 11; in Middletown, 9; in New Haven, 25; and in Stratford, 2. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in January: Andover, Ashford, Beacon Falls, Bloomfield, Bozrah, Brooklyn, Canterbury, Chaplin, Cheshire, Cornwall, Eastford, East Granby, East Haven, East Lyme, Franklin, Granby, Guilford, Killingworth, Lisbon, Mansfield, Marlborough, Middlebury, Monroe, Newington, North Haven, Prospect, Salem, Sprague, Suffield, Union, Warren, Westbrook, Weston, Wolcott—35.

The Registrar of every town has reported.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 32 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named :—

**Andover**—Mumps is epidemic.—*Dr. Flint, South Coventry.*  
**Ashford**—No prevailing disease. Patients mostly octogenarians.—*Dr. Simmons.*

**Avon**—No epidemic. Much Bronchitis, and a few cases of Pneumonia.—*Dr. Alcott.*

**Bloomfield**—Nothing to report.—*Dr. Gray.*

**Bridgeport**—The mortality report for Bridgeport refutes the old adage, "A green Christmas makes a fat graveyard." There have been many sore throats with some Pneumonia. While Diphtheria, Scarlet Fever and Bronchitis have been prevalent among children, there have been but eight deaths under five years of age.—*Dr. Wordin.*

**Brooklyn**—Any amount of Rheumatism, due to excessive wet weather. Also some Typhoid and Pneumonia.—*Dr. Coburn.*

**Chester**—Eczema is unusually prevalent among children. Also Chicken Pox and Mumps. There has been a fatal case of Typhoid Fever, and one case of Carbuncle—a very large one.—*Dr. Turner.*

**Coventry**—Mumps still continues epidemic.—*Dr. Dean.*

**Falls Village**—Billious Fevers, and some cases of Broncho-Pneumonia, and Mumps and Tonsillitis among children.—*Dr. Carter.*

**Griswold**—Pneumonia, Measles, Chicken Pox and Diphtheria.—*Dr. Jennings.*

**Haddam**—No sickness.—*Dr. Hazen.* Never saw so healthy a month. *Dr. Smith.*

**Hartford**—Death rate the lowest of any January for the last eight years. An unusual number of cases of Diphtheria, twenty-eight, with seven deaths, mostly in the S. W. part of city.—*Dr. Knight.*

**Hebron**—Mild Diphtheritic sore throats. Some cases of Mumps reported.—*Dr. Pendleton.*

**Madison**—Nothing worth noting. The whole town delightfully healthy.—*Dr. Webb.*

**New Hartford**—Exceptionally healthy. Mumps and Whooping Cough are mildly epidemic.—*Dr. Burwell.*

**New Haven**—Typhoid Fever has abated. Scarlet Fever is about, but not fatal during the month. Seventeen cases of Diphtheria were reported, with thirteen deaths. Diphtheria, Pneumonia and Consumption have occasioned one-third of the mortality.—*Dr. Williston.*

**Newtown**—Mumps very prevalent among both children and adults. A few cases of Pneumonia. One fatal case of Typhoid Fever, its origin not explained. It is worth stating that five or six years ago there were a number of deaths in the same location from Typhoid Fever. Diphtheria was imported here from Danbury during the month.—*Dr. Stiles.*

**Norwalk**—The month has been very healthy. There are reported two cases of Measles and one of Diphtheria.—*Dr. Gregory.*

**Norwich**—An occasional Pneumonia, and a few cases of Diphtheria.—*Dr. Paddock.*

**Portland**—The Mumps epidemic is abating. Tonsillitis is very prevalent and sometimes severe. Malarial disorders still most common, with considerable disturbance of digestive organs and diarrhoea.—*Dr. Griswold.*

**Ridgefield**—A very general epidemic of Mumps, showing no respect for age. Several cases of Metastasis.—*Dr. Todd.*

**Rocky Hill**—A very healthy month. Only Mumps and Chicken Pox, attacking adults as well as children.—*Dr. Burr.*

**Salem**—No serious sickness.—*Dr. Congdon.*

**Southbury**—An outbreak of Diphtheria and of Scarlet Fever in different families. Precautions taken promptly, by the health authorities, have prevented the spread of either disease.—*Dr. Cooley.*

**Stafford**—The healthiest winter for several years. No Scarlet Fever and no Diphtheria. No Pneumonia. Only Catarrhs and common colds.—*Dr. Mason.*

**Thomaston**—The epidemic of Whooping Cough is subsiding. There have been no deaths during the month from this disease. Tonsillitis, Pneumonia and Measles are now the prevailing diseases. Tonsillitis has prevailed quite extensively, with a tendency towards suppuration in many cases. There have been about a dozen cases of Measles, and three or four of Pneumonia.—*Dr. Goodwin.*

**Westbrook**—More Malarial troubles than in corresponding months of previous years.—*Dr. Bloomfield.*

**West Hartford**—No new cases of Diphtheria from that of last month.—*Dr. Smith.*

**Westport**—Bronchitis and one or two cases of Pneumonia. Nothing else but common colds.—*Dr. Day.*

**Wethersfield**—No unusual amount of illness.—*Dr. Warner.*

**Wilton**—Measles and Mumps are epidemic.—*Dr. Gorham.*

**Windham**—Chiefly inflammatory disorders of the mucus surface of the air passages.—*Dr. Fox.*

The total deaths reported from all the towns in the State was 892, being 58 less than in the month of December, and 123 less than in January of last year. The death-rate was 15.3 for the large towns, and only 13 for the towns of less than 5,000 population, and for the whole State 14.5. This is a low death-rate for January. The corresponding month of 1888 gave a death-rate of 18. The deaths from Zymotic diseases were 15.7 per cent. of the total mortality. There has been less mortality from Scarlet, Typhoid, Puerperal and Malarial Fevers, and from Diphtheria, Erysipelas and Consumption than the previous month, and a greater mortality from Measles, Cerebro-Spinal Fevers and Diarrhoeas. A widespread prevalence of Mumps is reported throughout the State. Reported from eleven towns as epidemic.

**Scarlet Fever** is reported from Bridgeport, Hartford, New Britain, Southbury, Stratford and Waterbury, with three deaths.

**Cerebro-Spinal Fever** was fatal in Bristol, Derby, Enfield, Killingly, Milford, Norwalk, Oxford, Sharon, Stonington, Stratford, Vernon and Waterbury, with fifteen deaths.

**Diphtheria** occurred in Bridgeport, Danbury, Derby, Griswold, Hartford, Hebron, Manchester, Meriden, Middletown, Milford, New Britain, New Haven, New London, Newtown, Norwalk, Old Lyme, Putnam, Seymour, Southbury, Stonington, Stratford, Thompson, Waterbury, West Hartford and Windsor, with fifty-one deaths.

**Typhoid Fever** was present in Bridgeport, Bristol, Brooklyn, Danbury, Chester, Greenwich, Hartford, Killingly, Meriden, New Haven, Newtown, North Canaan, Sharon, Stafford, Sterling, Tolland and Waterbury, with nineteen deaths.

The health of the State during January was comparatively good, much of which was due to the exceptionally mild weather.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, February 15, 1889.

**The Hog Ahead**—It is stated that the United States Government has paid more money in the investigation of the diseases of hogs than it has for all the diseases affecting the human race.—*Annals of Hygiene.*



# METEOROLOGICAL REPORT FOR THE MONTH OF JANUARY, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN. H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡				WIND.				Precipitation. Inches and An. line.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Baro- meter.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.		Daily Mean Velocity.		8 A. M.	8 P. M.	
								Direction.	Vel. per h.	Direction.	Vel.					
1	29.94	36.5	37.1	36.9	77	78	17.5	N W	3	S W	1	121	Fair.	Clear.	Clear.	
2	29.98	34.3	36.0	35.0	75	77	17.5	N W	4	W	6	102	Cloudy.	Cloudy.	Cloudy.	
3	30.18	35.3	37.1	36.0	75	79	17.5	W	2	S W	5	128	Fair.	Clear.	Fair.	
4	30.20	36.4	37.5	36.0	88	88	19.5	S W	3	S	1	92	Cloudy.	Cloudy.	Cloudy.	
5	30.16	37.3	38.5	37.5	83	91	19.5	N E	13	N E	19	404	Cloudy.	Cloudy.	Cloudy.	
6	30.68	40.7	38.5	42.5	92	95	19.5	N E	36	N E	20	654	Cloudy.	Cloudy.	Cloudy.	
7	29.53	39.3	38.5	40.6	92	85	18.5	N W	9	N	6	266	Fair.	Clear.	Clear.	
8	29.50	38.3	38.5	47.8	83	83	18.5	N W	12	N W	3	300	Cloudy.	Cloudy.	Cloudy.	
9	29.80	37.3	38.5	45.5	82	91	18.5	S W	18	S W	11	374	Clear.	Clear.	Fair.	
10	29.80	37.3	38.5	41.8	66	59	18.5	W	5	N W	3	170	Clear.	Clear.	Clear.	
11	30.15	31.3	34.3	37.5	74	74	18.5	N W	5	N W	3	149	Clear.	Clear.	Clear.	
12	30.38	28.3	31.3	29.5	70	74	18.5	N W	1	S	8	160	Clear.	Clear.	Fair.	
13	30.38	28.3	32.3	28.0	69	67	18.5	N W	4	S	8	160	Clear.	Clear.	Fair.	
14	30.36	28.3	30.3	28.3	69	73	18.5	N W	3	S W	8	114	Clear.	Clear.	Clear.	
15	30.42	30.3	35.3	35.2	73	68	18.5	S W	2	S W	9	336	Cloudy.	Cloudy.	Cloudy.	
16	30.24	31.3	40.3	48.0	97	93	18.5	S	18	N W	10	326	Clear.	Clear.	Clear.	
17	29.74	50.4	46.3	52.3	97	93	18.5	N W	0	N W	8	280	Clear.	Clear.	Clear.	
18	29.95	34.3	36.3	44.0	56	50	18.5	N W	14	N W	11	282	Clear.	Clear.	Clear.	
19	30.43	25.3	21.0	27.0	66	60	18.5	N W	15	N E	12	370	Clear.	Clear.	Clear.	
20	30.42	11.3	26.0	47.0	62	50	18.5	N W	13	N W	12	344	Clear.	Clear.	Clear.	
21	29.56	35.3	32.0	36.2	95	75	18.5	N W	15	N E	11	202	Clear.	Clear.	Clear.	
22	29.37	28.3	28.5	34.4	64	62	18.5	N W	13	N W	12	344	Clear.	Clear.	Clear.	
23	30.58	18.3	26.0	40.2	62	62	18.5	N W	2	N W	3	81	Clear.	Clear.	Clear.	
24	30.33	26.4	33.5	43.0	67	86	18.5	N W	8	S W	2	59	Clear.	Clear.	Fair.	
25	30.18	31.3	34.5	48.0	84	75	18.5	N W	1	N	2	107	Clear.	Clear.	Clear.	
26	29.63	31.3	39.3	41.2	89	88	18.5	N W	1	S W	2	44	Clear.	Clear.	Clear.	
27	29.48	35.3	35.5	36.8	73	100	18.5	N E	11	N E	16	248	Clear.	Clear.	Clear.	
28	29.30	36.3	32.3	38.3	79	79	18.5	S W	12	S W	6	240	Clear.	Clear.	Clear.	
29	29.62	25.3	22.5	26.3	75	53	18.5	N W	12	N W	6	272	Clear.	Clear.	Fair.	
30	30.15	17.3	37.0	32.7	69	87	18.5	S E	4	S W	4	127	Clear.	Clear.	Fair.	
31	29.95	30.3	37.0	44.4	26.4	87	18.5	S W	10	S W	8	176	Fair.	Fair.	Fair.	
Mean.	30.028	31.2	34.8	33.0	77.4	77.5	18.5	N W	8.0	S W	7.3	203.7	Total.	4.47		

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL.	
	Monthly Mean.	Highest.	Lowest.	Absolute range.	Monthly Mean.	Highest.	Lowest.	Absolute range.	Monthly Mean.	Highest.
Monthly Mean.	30.028 inches.	30.028 inches.	29.48 inches.	0.548 inches.	Monthly Mean.	31.2	31.2	30.6	0.6	0.6
Highest.	30.028 inches.	30.028 inches.	29.48 inches.	0.548 inches.	Highest.	31.2	31.2	30.6	0.6	0.6
Lowest.	29.48 inches.	29.48 inches.	29.30 inches.	0.18 inches.	Lowest.	30.6	30.6	30.0	0.0	0.0
Absolute range.	0.548 inches.	0.548 inches.	0.18 inches.	0.368 inches.	Absolute range.	0.6	0.6	0.6	0.6	0.6
Greatest daily range.	0.548 inches.	0.548 inches.	0.18 inches.	0.368 inches.	Greatest daily range.	0.6	0.6	0.6	0.6	0.6
Date, 23d.	23d.	23d.	23d.	23d.	Date, 23d.	23d.	23d.	23d.	23d.	23d.
Least daily range.	3.1 deg.	3.1 deg.	3.1 deg.	3.1 deg.	Least daily range.	3.1 deg.	3.1 deg.	3.1 deg.	3.1 deg.	3.1 deg.
Date, 27th.	27th.	27th.	27th.	27th.	Date, 27th.	27th.	27th.	27th.	27th.	27th.
Mean daily range.	12.1 degrees.	12.1 degrees.	12.1 degrees.	12.1 degrees.	Mean daily range.	12.1 degrees.	12.1 degrees.	12.1 degrees.	12.1 degrees.	12.1 degrees.
Total excess or deficiency since Jan. 1 = + 172 degrees.	+ 172 degrees.	+ 172 degrees.	+ 172 degrees.	+ 172 degrees.	Total excess or deficiency since Jan. 1 = + 20.10.	+ 20.10.	+ 20.10.	+ 20.10.	+ 20.10.	+ 20.10.

Monthly mean humidity, 77 per cent. Number of fair days, 9. Number of cloudy days, 10.  
 Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet ;  
 Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of  
 water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF FEBRUARY, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of February, 1889.

The population as stated below were given by the Town Clerks of the respective Towns.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgport.	40,000	89	20.4	16	23.5	---	---	2	---	8	---	---	---	4	---	1	---	1	---	9	10	4	7	6	2	14	2
Bristol.	6,500	6	11.	---	32.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	2	4	5	3	3	10	1
Danbury.	18,000	31	20.6	10	38.8	---	---	---	---	4	---	---	1	---	---	---	---	---	---	3	2	5	3	3	3	10	1
Derby.	16,500	18	13.	7	36.8	---	---	---	---	4	---	---	---	---	---	---	---	---	---	3	4	4	3	1	1	4	---
Enfield.	8,000	2	3.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Greenwich.	9,000	11	14.6	4	36.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	4	1	1	1	4	---
Groton.	5,250	5	11.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford.	51,000	100	20.4	23	23.	---	---	1	1	7	---	---	---	---	---	---	---	---	---	13	10	3	3	4	27	28	2
Killingly.	8,000	10	15.	2	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester.	7,200	2	3.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6	4	1	3	1	1	9	1
Menden.	24,300	39	19.2	17	43.5	---	---	---	---	11	2	---	1	---	---	---	---	---	---	2	---	---	---	---	---	---	
Middletown.	14,000	18	10.2	2	11.1	---	---	---	---	4	---	---	---	---	---	---	---	---	---	1	2	---	3	4	---	4	---
Naugatuck.	6,000	7	14.	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain.	18,500	23	14.9	6	26.	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	2	---	1	1	1	6	---
New Haven.	86,000	124	15.6	37	29.8	---	3	2	2	3	---	1	2	1	---	---	---	---	16	14	8	21	8	4	40	6	
New London.	14,000	8	6.8	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	---	1	1	1	3	1
Norwalk.	17,000	14	9.8	5	35.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	12	3	1	8	3
Norwich.	25,000	31	14.8	12	38.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	1	1	1	2	2	1
Putnam.	6,800	7	12.3	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	1	---	---	---	---	---	
Southington.	5,500	6	13.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford.	16,000	14	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington.	7,500	9	14.4	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	---	6	1	1	2	---
Stratford.	5,250	7	11.4	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	---	
Thompson.	5,600	5	10.7	4	80.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---	---	---	---	
Vernon.	10,000	8	9.6	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford.	5,500	14	30.5	6	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.	39,000	34	13.6	15	44.1	---	---	---	---	2	4	3	---	---	---	---	---	---	---	5	4	3	3	1	1	11	5
Winchester.	5,700	2	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.	10,000	9	10.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1	2	3	3	---
Total of twenty-nine of the above towns reporting.	482,100	632	15.7	176	27.8	---	3	5	6	53	6	2	6	7	2	3	5	5	87	70	24	82	42	46	178	40	
One hundred and thirty six other towns of less than 5,000 inhabitants report the following mortality:—	249,751	290	13.9	39	13.4	---	---	3	2	15	---	1	5	2	---	---	4	1	38	39	7	32	35	12	94	5	
Total reported from 165 towns.	731,851	922	15.	215	23.3	---	---	3	8	68	6	3	11	9	2	3	9	6	125	109	31	114	77	58	272	45	
Population of towns not reporting.	5,425	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total estimated population of State.	737,276	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

The Mortality in Public Institutions of the State were: in Hartford, 13; in Middletown, 6; in New Haven, 12; and in Stratford, 2. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in February: Andover, Avon, Barkhamsted, Beacon Falls, Bethany, Bolton, Brookfield, Canterbury, Chaplin, Coventry, East Granby, Ellington, Goshen, Hawinton, Killingworth, Ledyard, Lisbon, Lyme, Middlefield, New Fairfield, Old Saybrook, Salem, Sherman, South Windsor, Tolland, Trumbull, Watertown, Weston, Willington, Wolcott—30.

The Registrars of the following towns have made no report—Morris, Torrington.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 28 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The following is a brief summary, chiefly presenting the diseases most prevalent in the places named:—

**Andover**—Pneumonia, Scarlet Fever and Diphtheria.—*Dr. Flint.*

**Ashford**—A few cases of Mumps. Nothing else of interest.—*Dr. Simmons.*

**Avon**—Average amount of sickness, mostly of air passages. Some Pneumonia.—*Dr. Alcott.*

**Bloomfield**—Generally healthy. Some Bronchitis.—*Dr. Gray.*

**Brooklyn**—Pneumonia and Rheumatism.—*Dr. Coburn.*

**Canton**—Nothing worthy of note, except one fatal case of Typhoid Fever, and one of Pneumonia.—*Dr. Lewis.*

**Chester**—A very healthy winter. Mumps among the children.—*Dr. Turner.*

**Coventry**—A few cases of Mumps, and almost an epidemic of Sore Throats and Bronchitis.—*Dr. Dean.*

**Falls Village**—Mumps and Lung affections.—*Dr. Carter.*

**Griswold**—A few mild cases of Diphtheria, and some Pneumonia.—*Dr. Jennings.*

**Haddam**—An exceptionally healthy month.—*Dr. Smith.*

**Madison**—Doctor's calls are like the visits of good angels, few and far between.—*Dr. Webb.*

**Meriden**—February health better than the average. Winter diseases were rare. Some Whooping Cough and more Diphtheria.—*Dr. Wilson.*

**New Britain**—Measles still prevailing, often complicated with Pneumonia. Malarial Fevers more frequent, and some Whooping Cough.—*Dr. Douteil.*

**New Canaan**—Scarlet Fever, usually mild, a few cases of Diphtheria, not fatal, two patients with Measles and one with Whooping Cough. Isolation and disinfection are practiced as well as possible.—*Dr. Brownson.*

**New Hartford**—Health exceptionally good. Only slight Bronchial troubles, and some Whooping Cough.—*Dr. Burwell.*

**Newington**—Epidemics of Measles, Mumps and Whooping Cough, with a sprinkling of Chicken Pox, and an occasional case of Pneumonia, all due to New Britain sewage in Piper's Brook.—*Newspaper clipping.*

**Newtown**—Average state of health. Two cases of Diphtheria in adults, with some Pneumonia and other lung troubles.—*Dr. Stiles.*

**Norwalk**—More sickness than usual. Sore throats are frequent, and other inflammatory affections of the air passages. A few cases of Typhoid Fever. There have been reported to the Health Officer seventeen cases of Diphtheria, ten of Scarlet Fever, two of Measles, and many cases of Rheumatism. Mumps are prevalent, and among adults with metastatic tendencies.—*Dr. Gregory.*

**Portland**—Winter Diarrhoea has been prevailing among children. There has also been a great deal of Tonsillitis, some of which has been reported Diphtheric, but probably incorrectly. Mumps are still prevalent; also Measles, and various manifestations of Malaria.—*Dr. Griswold.*

**Ridgefield**—Mumps is the prevailing thing, attacking both old and young. Have had nothing like it in twenty years. Nothing of interest in the town but Mumps. Chicken Pox has however appeared within a week.—*Dr. Todd.*

**Salem**—An epidemic of a peculiar eruption; some call it German Measles. It is contagious, attended with nausea, itching and burning.—*Dr. Congdon.*

**Stamford**—There is nothing of interest to doctors here.—*Dr. Rogers.*

**Suffield**—The public health is remarkably good.—*Dr. Mason.*

**West Hartford**—Scarlet Fever at Elmwood. Also a fatal case of Dysentery.—*Dr. Smith.*

**Westport**—Remittent Fever, Pneumonia, and two cases of Diphtheria.—*Dr. Day.*

**Wethersfield**—Public health exceptionally good. Very little sickness. Sporadic cases of Mumps and Chicken Pox.—*Dr. Warner.*

**Wilton**—Chiefly Mumps and Measles.—*Dr. Gorham.*

There were 922 deaths in Connecticut in the month of February, this was 30 more than in January; it was 175 less than in February of 1888, and 27 less than the average number of deaths in February for the four years preceding the present.

The number of deaths in the first two months of each of the last five years, has been as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
	1814	2112	1776	1734	1935

In the first two months of this year, the number of deaths was 298 less than in the first two months of 1888.

The death-rate was 15.7 for the large towns and 13.9 for the small ones and 15 for the whole state.

The deaths from zymotic diseases were 14.7 per cent. of the total mortality, against 15.7 per cent. in January. The terrible explosion of the Park Hotel at Hartford increased materially the death-rate of that city, but that dreadful fatality was no more preventible than are the deaths from Typhoid Fever every month.

**Scarlet Fever** was reported from Andover, Bridgeport, Hartford, New Canaan, New Haven, Norwalk, Seymour, and West Hartford, with 8 deaths.

**Cerebro-Spinal Fever** was fatal in Hartford, Killingly, Milford, New Haven, Stratford and Vernon. 8 deaths.

**Diphtheria** was present in Andover, Branford, Clinton, East Haddam, Griswold, Meriden, Milford, New Haven, New London, Norwalk, Oxford, Union, and Westport, with 68 deaths.

**Typhoid Fever** was reported to have occurred at Ashford, Bozrah, Canton, Danbury, Meriden, New Haven, New London, North Haven, Norwich, Norwalk and Waterford, with 11 deaths.

Scarlet Fever, Diphtheria and Pneumonia, have been more fatal than in January, and Cerebro-Spinal and Typhoid Fever have been less so.

The Public Health in the month of February was better than the average for that month.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, March 13, 1889.

"This thing is getting contagious!" said a boy who had several times been told to go to bed. "What do you mean?" asked his father. "I mean that I shall catch it if I don't move on."—*The Teacher.*

A physician says: "If a child does not thrive on fresh milk, *boil it.*"





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MARCH, 1889.





# ABSTRACT OF REPORTS OF MORTALITY

*And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of March, 1889.*

The population as stated below were given by the Town Clerks of the respective Towns. Total estimated population of the State, 758,662.

TOWNS.		Estimated Population.	Total Deaths.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Ner- vous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Bridgeport.	4,000	59	16.9	16	24.6		1	2		8	2		3							15	1	2	7	2	2	20	3
Bristol.	7,000	6	10.2																				3				1
Danbury.	19,000	23	14.5	7	30.4			1		3			3							1	3		3			9	2
Derby.	17,550	17	11.6	6	35.2					2	1									2	1	3	3	2	3	2	2
Enfield.	8,000	10	15	20																2	2	1	1				
Greenwich.	9,000	17	22.6	5	29.4					1										2	2	3	7	1	2	1	
Groton.	5,300	13	29.4	3	23															2	2	1	2	2	1	5	
Hartford.	52,000	88	18.6	28	31.8					15				1						15	13	6	5	3	27	7	
Killingly.	8,000	15	22.5	5	33.3															1	3	2				6	
Manchester.	7,200	6	10	1	16.6															1	2	1	2	2		1	
Meriden.	25,500	37	17.4	14	27.8			1		7				1						1	6	1	4	1	3	8	1
Middletown.	14,500	30	14.8	1	33															7	1	1	4	4	2	8	1
Naugatuck.	6,500	12	22.1	3	25					1				1						7	2	1	1	1	5	1	
New Britain.	20,000	26	15.6	12	46.1			2												4	2	4	2	4	3	7	1
New Haven.	85,000	127	15.2	30	23.6					6				3	2					1	13	8	17	13	2	43	
New London.	14,000	29	24.5	8	27.5									1						1	4	3	5	2	3	10	1
Norwalk.	18,000	28	18.6	7	25			1		7					1					1	2	1		4		9	1
Norwich.	25,000	30	14.4	7	23.3															1	1	4	8	3	1	8	3
Plainfield.	5,000	3	7.2	1	33.3					1																	
Putnam.	6,800	6	10.5																		2						
Southington.	5,500	3	6.5	1	33.3																						
Stafford.	5,000	8	19.2	1	12.5			1																			
Stamford.	10,000	15	11.2	2	13.3															1	4		3		1	2	
Stonington.	7,800	12	18.4	1	8.3															1							
Stratford.	5,500	11	13	4	36.3					2	3									2	2						
Thompson.	5,500	7	15.2	6	85.7																						
Torrington.	5,000	2	4.8	1	50																						
Vernon.	10,000	12	14.4	7	28.3					1	2									2	1		1	1	4	1	1
Wallingford.	6,000	12	24	5	41.6															2	4						
Waterbury.	34,000	37	13	8	21.6			1	1	1										9	2	3	2	1	1	16	2
Winchester.	6,300	10	19	1	10															1	3	2	2	2			
Windham.	10,000	18	21.6																	2	3	2	3	4	1	2	
Total of thirty-two of the above towns reporting.		515,950	735	17	493	26.2	5	7	6	62	9	2	14	3	1	8	1	3	95	90	27	82	63	31	226	28	
One hundred and thirty-five other towns of less than 5,000 inhabitants report the following mortality:—		242,712	314	15.5	57	12	1		10	12	2	1	2	3		2	3	4	30	48	11	38	40	5	102	12	
Total reported from all the 167 towns, Population of towns not reporting.		758,662	1049	16.5	230	22	6	7	16	74	11	3	16	6	1	10	4	7	125	138	38	120	103	36	328	40	

The Mortality in Public Institutions of the State were: in Hartford, 6; in Middletown, 12; in New Haven, 11; and in Stratford, 5. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in March: Andover, Bethlehem, Bolton, Canton, Chaplin, Chester, Columbia, Eastford, Ellington, Goshen, Hartland, Harwinton, Killingworth, Lisbon, Lyme, Marlborough, Middlebury, North Haven, Oxford, Salem, Sherman, Southbury, Tolland, Union, Wolcott—25.

The Registrars of all the towns have made report for March.

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 32 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are as follows:—Ashford, Avon, Bloomfield, Bolton, Bridgeport, Brooklyn, Cheshire, Clinton, Cornwall, Coventry, East Haddam, Falls Village, Guilford, Haddam, Hartford, Hebron, Jewett City, Madison, Newington, New Hartford, Newtown, Norwalk, Norwich, Portland, Ridgefield, Roxbury, Salem, Stamford, Suffield, Westport, Wilton, Wethersfield and Windham.

There were 1,043 deaths in Connecticut in the month of March, this was 127 more than in February; it was 121 less than in March of 1888, and 75 less than the average number of deaths in March for the four years preceding the present.

The number of deaths in the first quarter of each of the last five years, has been as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
	2863	3382	2819	2794	3159

In the first three months of this year the number of deaths was 419 less than in the first quarter of 1888.

The death rate was 17. for the large towns, for the small ones 15.5 and 16.5 for the whole State; calling the population of the State 758,600. The deaths from Zymotic diseases numbered 161 and were 15.4 per cent. of the total mortality as against 14.7 per cent. in February.

Cerebro Spinal Fever—Diphtheria and Typhoid Fever have been more fatal than in February, and Pneumonia had 138 victims against 109 in February. Consumption claimed the same mortality in each month, namely 125.

The following more important of the infectious diseases were reported to this office from the towns mentioned:—

**Scarlet Fever**—was reported from Bridgeport, Danbury, Falls Village, Haddam, Manchester, New London, Norwalk, Wallingford—7 deaths.

**Measles**—from Bridgeport, Jewett City, New Britain, New Hartford, Newtown, Norwalk, Suffield and Stafford—6 deaths.

**Cerebro Spinal Fever**—from Berlin, Burlington, East Windsor, Griswold, Meriden, Old Saybrook, Plainfield, Stratford, Thomaston, Vernon, Voluntown and Wallingford, with 16 deaths.

**Diphtheria and Croup**—from Bloomfield, Branford, Bridgeport, Brooklyn, Clinton, Cornwall, Danbury, Derby, Fairfield, Greenwich, Hartford, Hebron, Huntington, Jewett City, Madison, Meriden, Naugatuck, New

Britain, New Canaan, New Haven, New London, North Canaan, Norwalk, Norwich, Straford, South Windsor, Thompson, Vernon, Wallingford, Waterbury and Weston, with 74 deaths.

Diphtheria has prevailed with unusual severity in Clinton and Hartford.

**Whooping Cough**—from Bridgeport, Cheshire, Colchester, Cromwell, Derby, Hartford, Killingly, Meriden, New Hartford, New Haven, Stamford, Thompson and Waterbury, with 11 deaths.

**Typhoid Fever**—from Bridgeport, Bozrah, Cromwell, Danbury, Farmington, Hartford, Meriden, Naugatuck, New Haven, New London, Portland and Putnam—16 deaths.

**Mumps**—is also still prevailing in various parts of the State, although less than last month.

**Diarrhoeal Diseases**—caused only 11 deaths, 4 of which were of children less than 5 years old.

During the past month the following request was made upon each of the Town Clerks in the State:—"Will you please send me at your early convenience the estimated population of your town for 1888?" To this 160 responses have been received i. e., from all the towns in the State except seven.

Of these 65 reported the same population as the previous year, 61 reported an increase, and 34 a decrease.

The 61 towns claim an increase of about 40,000. The 34 towns admit a loss of about 10,000.

Seven small towns have not yet reported. The only town of over 5,000 inhabitants reporting a loss is Thompson.

The following towns of 5,000 and over do not claim any increase from the estimates of the preceding year:—Enfield, Greenwich, Killingly, Manchester, New London, Norwich, Putnam, Southington, Stamford and Windham. All the other large towns claim a gain—Bridgeport, the largest, 6,000. Three new towns by the late estimates are added to the list of towns having a population of 5,000 and upwards viz., Plainfield, Stafford and Torrington.

The total population of the State for 1888, as estimated by the Town Clerks amounts to 758,662.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, April 15, 1889.

The editor of a religious paper in Michigan solemnly promised his subscribers that he would sample all the patent medicines offered to him by advertisers, before he would insert the notices. This was four years ago. He is now an inmate of an inebriate asylum.—*Burlington Free Press*.

# METEOROLOGICAL REPORT FOR THE MONTH OF MARCH, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.		BARO-METER†	TEMPERATURE.‡				RELATIVE HUMIDITY.‡			WIND.			Precipitation. Inches and fractional.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
			Daily Mean.	8 P. M.	8 A. M.	Range.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	Direction.	Vel. in m. per h.		Direction.	Vel.		Daily Move- ment.
1	30.44	30.	38.	34.0	48.	79	70	74.5	N	E	5	0	W	2	96	12	Cloudless
2	30.25	35.	36.	34.5	46.	76	82	83.0	N	0	0	0	S	0	51	6	Cloudy
3	30.07	37.	39.	38.0	45.	76	82	89.0	0	0	0	0	W	2	29	6	Partly Cloudy
4	29.81	38.	36.	37.0	46.	83	100	91.5	N	E	11	18	N	18	297	23	Lt. Rain
5	29.44	39.	45.	42.0	45.	85	75	86.0	N	E	30	19	N	19	535	30	Cloudy
6	29.19	38.	39.	38.5	44.	82	64	73.0	N	W	12	21	N	21	441	30	Cloudy
7	29.20	37.	39.	37.0	46.	82	64	73.0	W	W	16	16	N	16	324	32	Cloudless
8	29.47	30.	29.	29.5	39.	67	84	78.0	W	W	11	16	W	16	363	32	Cloudy
9	29.57	31.	32.	31.5	37.	64	75	69.5	W	W	21	13	W	13	417	30	Cloudy
10	29.74	30.	31.	30.5	39.	63	68	65.0	N	W	14	12	N	12	288	20	Cloudless
11	29.93	28.	32.	30.0	40.	70	62	65.0	S	W	2	1	W	1	112	18	Cloudless
12	30.04	33.	47.	40.0	51.	68	62	65.0	S	W	2	8	W	8	102	18	Cloudless
13	30.00	36.	47.	41.5	58.	66	81	79.0	N	E	14	22	S	22	452	32	Cloudy
14	30.27	31.	37.	34.0	46.	73	82	73.5	N	E	21	26	N	26	679	45	Lt. Rain
15	30.10	31.	37.	34.0	46.	85	96	90.5	N	E	26	26	N	26	679	45	Cloudy
16	29.85	33.	36.	34.5	54.	94	96	95.0	N	E	20	12	N	12	466	33	Cloudy
17	29.87	34.	36.	35.0	40.	87	77	82.0	N	0	12	0	0	140	18	Cloudy	
18	29.89	37.	42.	39.5	48.	75	90	82.5	N	E	23	2	S	2	111	13	Cloudy
19	29.84	40.	39.	39.5	49.	69	96	82.5	N	E	23	10	N	10	441	30	Cloudy
20	29.78	37.	32.	34.5	40.	69	96	82.5	N	E	21	16	N	16	472	32	Lt. Snow
21	29.83	32.	39.	35.5	40.	82	62	50.0	S	E	17	3	N	3	395	28	Cloudy
22	30.14	38.	43.	40.5	57.	62	62	61.0	S	W	4	3	S	3	160	12	Partly Cloudy
23	30.06	41.	49.	45.0	59.	62	62	61.0	S	W	4	18	S	18	252	22	Cloudless
24	29.81	43.	45.	44.0	62.	62	64	63.0	N	E	6	12	N	12	178	22	Cloudless
25	29.68	46.	39.	42.5	54.	54	44	49.0	N	E	12	7	S	7	113	12	Partly Cloudy
26	30.07	26.	34.	36.0	39.	71	59	57.0	S	0	4	0	S	0	125	16	Cloudy
27	29.98	38.	46.	42.0	48.	71	77	74.0	S	W	4	3	N	3	125	16	Foggy
28	29.82	45.	36.	40.5	49.	100	74	87.0	W	W	4	4	N	4	209	19	Cloudless
29	30.00	34.	41.	37.5	48.	70	76	73.0	S	W	4	13	W	13	271	24	Cloudless
30	30.31	28.	31.	29.5	38.	61	59	60.0	N	W	4	3	W	3	271	19	Cloudless
31	30.14	29.	35.	32.0	35.	78	91	84.5	N	E	3	8	E	8	152	19	Cloudy
Month.	29.89	35.0	38.2	36.6	46.3	73.4	74.7	74.0	N	E	10.8	9.7	N E & S W	9.7	266.6	22.7	Total.

\*† Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
		Prevailing direction, N. E.	Max. hourly velocity, 11.1	Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1873--33.1 deg.	1889--32.6 "	1873--4.05	1889--5.68
Monthly Mean, 29.89 inches.	Monthly Mean, 36.6 degrees.	Max. hourly velocity, 11.1	Max. hourly velocity, 11.1	Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1874--34.8 "	1889--32.6 "	1874--1.34	1889--4.15
Highest, 30.49 in.; Date, 1st.	Highest, 62 deg.; Date, 26th.	Min. hourly velocity, 0.	Min. hourly velocity, 0.	Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1875--35.3 "	1889--36.9 "	1875--3.24	1889--1.19
Lowest, 29.12 in.; Date, 7th.	Absolute range, 40 degrees.	Total, 45 miles N. E. Date, 16th.	Total, 45 miles N. E. Date, 16th.	Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1876--36.9 "	1889--36.9 "	1876--10.15	1889--3.20
Monthly range, 1.37.	Greatest daily range, 27 deg.; Date, 13th.	Total monthly movement, 3,264 miles.	Total monthly movement, 3,264 miles.	Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1877--37.7 "	1889--36.9 "	1877--8.00	1889--4.22
	Least daily range, 8 deg.; Dates, 20th and 21st.			Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1878--43.1 "	1889--36.6 "	1878--4.18	1889--7.46
	Mean daily range, 15.2 degrees.			Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1879--37.0 "	1889--36.6 "	1879--5.82	1889--1.44
	Total excess or deficiency since Jan. 1 = + 216 degrees.			Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1880--36.3 "	1889--36.6 "	1880--5.68	1889--1.44
				Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1881--35.8 "	1889--36.6 "	1881--10.42	1889--1.44
				Total number of days on which precipitation occurred, 13.	* Greatest 44 hour precipitation, 9.1 (inches and tenths).	1882--36.9 "	1889--36.6 "	1882--3.59	1889--1.44

Monthly mean humidity, 74 per cent. Monthly mean dew point, 28.6. Number of cloudless days, 9. Number of cloudy days, 14.  
 Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; of  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount  
 water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



VOL. II.

No. 11.



# MONTHLY BULLETIN

— OF THE —

## CONNECTICUT

# STATE BOARD OF HEALTH

FOR THE

## MONTH OF APRIL, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of April, 1889.

The population as stated below were given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Periperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Bridgeport,.....	49,000	19	15.9	14	22.9	---	2	1	1	3	---	---	---	2	---	---	---	1	3	7	5	12	6	2	16	4
Bristol,.....	7,000	9	15.4	4	44.4	---	---	---	1	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury,.....	19,000	23	14.5	8	34.7	---	3	---	---	---	---	---	---	---	---	---	---	3	2	1	1	2	3	4	2	2
Derby,.....	17,550	15	16.2	7	46.6	---	---	---	1	2	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield,.....	8,000	17	25.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich,.....	9,000	7	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton,.....	5,300	5	11.3	2	40	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford,.....	52,000	106	21.2	29	26.3	2	1	2	22	1	2	1	2	1	---	---	---	12	11	3	4	6	10	29	4	4
Killingly,.....	8,000	15	22.5	5	33.3	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester,.....	7,200	13	21.6	2	15.3	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden,.....	25,500	39	18.3	13	33.3	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown,.....	14,500	16	9.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck,.....	6,500	11	20.3	6	54.5	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain,.....	20,000	24	14.4	6	25	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven,.....	85,000	145	17.6	38	26.2	2	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London,.....	14,000	26	22.2	8	30.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk,.....	18,000	20	13.3	2	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich,.....	25,000	35	16.8	7	20	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Plainfield,.....	5,000	15	26.4	9	81.8	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam,.....	6,800	10	17.6	5	50	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington,.....	5,500	6	13	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stafford,.....	5,000	5	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford,.....	16,000	24	18	8	33.3	---	---	---	1	1	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington,.....	7,800	8	12.3	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stratford,.....	5,500	9	13	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson,.....	5,500	7	15.2	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington,.....	5,000	4	9.6	---	---	---	---	---	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon,.....	10,000	10	12	1	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford,.....	6,000	9	18	3	33.3	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury,.....	34,000	52	18.3	24	46.1	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester,.....	6,300	10	19	---	---	---	---	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham,.....	10,000	9	10.8	2	22.2	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of thirty-two of the above towns reporting,.....	515,950	761	17.7	209	27.4	7	10	10	62	7	3	5	5	---	7	2	2	96	84	25	91	56	32	257	36	36
One hundred and thirty-four other towns of less than 5,000 inhabitants report the following mortality:.. {	240,572	312	15.6	44	14.1	---	5	1	1	9	1	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 166 towns,.....	1073	16.9	253	24.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of 1 town not reporting,.....	2,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Hartford, 14; in Middletown, 5; in New Haven, 20; and in Stratford, 3. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in April: Avon, Barkhamsted, Bethany, Bolton, Bozrah, Chaplin, Clinton, Columbia, Eastford, East Granby, Griswold, Hampton, Harwinton, Hebron, Lisbon, Middlebury, Monroe, Morris, New Fairfield, Plymouth, Sherman, Sterling, Tolland, Union, Willington, Woodstock,—26.

The Registrar of Essex has made no report for April.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are as follows:—Ashford, Bridgeport, Brooklyn, Cheshire, Coventry, East Haddam, Falls Village, Griswold, Haddam, Hartford, Hebron, Madison, New Britain, New Hartford, New Haven, Newtown, Norwalk, Portland, Ridgefield, Salem, Salisbury, Suffield, Westport, Wethersfield, Wilton and Windham.

There were 1,073 deaths in Connecticut in the month of April, this was 24 more than in March; it was 43 less than in April of 1888, and 16 less than the average number of deaths in April for the four years preceding the present.

The number of deaths in the first four months of this year compared with the number in the corresponding months of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
April,	1073	1116	1011	1056	1175
	3936	4398	3830	3850	4334

In the first four months of this year the number of deaths was 462 less than in the first four months of 1888.

The death rate was 17.7 for the large towns; for the small ones 15.6 and 16.9 for the whole State; calling the population of the State 759,000.\* The deaths from Zymotic diseases numbered 144 and were 13.4 per cent. of the total mortality as against 15.4 per cent. in March.

Cerebro Spinal Fever—Diphtheria and Typhoid Fever have been less fatal than in March, while Measles and Scarlet Fever were somewhat more so. Of Pneumonia there were 127 deaths against 138 in March, and of Consumption 134 deaths, being 9 more than in the preceding month.

The following more important of the infectious diseases were reported to this office from the towns mentioned:—

**Scarlet Fever**—Bridgeport, Danbury, East Haddam, Enfield, Hartford, Meriden, New Britain, New Haven, Norwalk, Sharon, Stamford, Suffield—11 deaths.

**Measles**—Bridgeport, Brooklyn, Cheshire, East Windsor, Griswold, Groton, Hartford, Manchester, New Hartford, Newtown, Norwalk, Plainfield, Portland, Ridgefield, Wethersfield—12 deaths.

**Cerebro Spinal Fever**—Bridgeport, Bristol, Derby, Hartford, New London, Stonington, Torrington, Waterford, Windham—11 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Bristol, Derby, East Hartford, East Lyme, East Windsor, Griswold, Hartford, Ledyard, Meriden, Middletown, New Britain, New Haven, New London, Norwalk, Norwich, Putnam, Salisbury, Stamford, Torrington, Wallingford, Waterbury, West Hartford, Westport—71 deaths.

**Whooping Cough**—Cheshire, Danbury, Killingly, New Britain, Oxford, Waterbury—8 deaths.

**Typhoid Fever**—Andover, Enfield, Haddam, Hamden, Hartford, Oxford, Stamford—10 deaths.

**Mumps**—Is diminishing in its prevalence.

**Diarrhoeal Diseases**—Caused only 5 deaths, 3 of which were of children less than 5 years old.

\* New estimates from some of the towns have been received since the issue of last Bulletin which has increased the total a little.

Since the issue of the last Bulletin the regular quarterly meeting of the State Board has been held, at which it was reported respecting some of the Zymotic diseases prevailing during the first quarter of the year, that:—

"Scarlet Fever has been reported from 18 towns, with only 18 deaths, as against 30 towns in the corresponding quarter of 1888, with 59 deaths; showing a very marked decrease in the prevalence of that disease, as well as indicating a mild type of the malady. It is a low mortality to have only 77 deaths from this usually fatal disease during a period of two corresponding quarters of two consecutive years at times when it was prevailing in 48 different towns in the State.

Diphtheria and Croup have occurred in 48 different towns in the last quarter, with 193 deaths.

Typhoid Fever occurred in 30 towns in Connecticut in January, February and March, with 46 deaths; while in those three months of last year it was reported from only 16 towns with 30 deaths.

Cerebro Spinal Fever had 39 deaths in 25 towns of the State, and 47 deaths in the corresponding quarter last year.

These diseases are conspicuous types of filth diseases. They have occurred very largely in the smaller towns of the State, and not localized in any special places, but widely spread throughout the commonwealth, there being no considerable area of the State escaping them.

The frequent prevalence of these diseases does not speak well for the Sanitary conditions of the towns where they occur. As these pestilences owe their existence very largely to domiciliary nuisances their presence in the country towns is a complete refutation of the fallacy so often urged, that country towns have no use for Boards of Health.

In proportion to the populations these filth diseases occur in rural settlements more than in the cities.

The judicious exercise of the functions of a Board of Health will be as productive of good results about many a country farm-house as anywhere.

So long as over 15 per cent. of the total mortality is caused by a class of diseases which are recognized as preventable, it cannot be claimed that the sanitary condition of any community so afflicted is as good as it should be.

Such facts ought to stimulate the local health authorities to greater vigilance and more thorough enforcement of hygienic requirements."

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1889.

## CLAIRVOYANT "PHYSICIANS."

The opinion of the Supreme Court of Wisconsin by Lyon, J., holds that a clairvoyant physician is liable for failure to exercise the ordinary skill and knowledge of a physician in good standing, practising in the vicinity, and not merely the ordinary skill and knowledge of clairvoyants.

If he holds himself out as a medical expert, and accepts employment as a healer of diseases, but relies for diagnosis and remedies upon some occult influence exerted upon him, or some mental intuition received by him, when in an abnormal condition, he takes the risk of the quality of accuracy of such influence or intuition. There are so many persons now who assume to act as physicians, and take the lives of people in their hands that this decision holding them to a strict liability may, perhaps, be timely.—*Legal News*.



# METEOROLOGICAL REPORT FOR THE MONTH OF APRIL, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡				WIND.				PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Baro- meter †	Temperature.			Range.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Movement.	S. Max. Velocity.	8 A. M.	8 P. M.	
		Daily Mean.	8 A. M.	8 P. M.					Daily Mean.	Direction.	Vel. m. per h.	Direction.					
1	29.86	34	34	34.0	37.	32.	5.	93.0	N E	19	N E	16	298	20	Cloudy	Hy. Rain	Cloudy
2	29.78	35	44	39.5	48.	33.	15.	89.0	N E	13	N E	4	175	10	Cloudy	Cloudless	Partly Cloudy
3	29.78	41	44	42.5	49.	36.	13.	82.0	N W	3	N W	2	118	12	Cloudy	Cloudy	Cloudy
4	29.94	41	43	42.0	53.	37.	16.	68.0	N W	12	N W	6	223	20	Partly Cloudy	Cloudy	Partly Cloudy
5	30.06	36	44	40.0	49.	32.	17.	80.5	N E	10	N E	6	130	12	Cloudy	Cloudy	Partly Cloudy
6	30.28	40	40	40.0	47.	33.	14.	86.0	N E	10	N E	18	135	18	Cloudless	Partly Cloudy	Cloudy
7	30.36	37	41	39.0	47.	35.	13.	81.0	N E	16	N E	18	405	28	Cloudy	Cloudy	Cloudy
8	30.13	38	46	42.0	56.	36.	28.	44.5	N E	16	N E	16	534	36	Cloudless	Cloudless	Cloudless
9	29.87	45	50	50.5	66.	38.	28.	40.0	N W	18	N W	7	279	28	Cloudless	Cloudless	Cloudless
10	29.92	50	50	50.0	60.	42.	18.	52.0	N W	18	N W	2	215	18	Cloudless	Cloudy	Cloudy
11	29.93	47	51	49.0	62.	36.	16.	54.0	N W	2	N W	6	141	13	Cloudy	Hy. Rain	Cloudy
12	29.63	30	50	53.0	63.	46.	17.	94	N W	1	N W	6	268	20	Cloudless	Cloudless	Partly Cloudy
13	29.78	40	44	42.0	54.	39.	15.	92	N W	11	N W	12	170	17	Cloudless	Partly Cloudy	Partly Cloudy
14	30.14	38	48	43.0	54.	32.	22.	65	N E	12	N E	13	180	25	Cloudy	Cloudy	Cloudy
15	30.39	41	43	42.0	53.	34.	19.	77	N E	9	N E	6	249	22	0	Partly Cloudy	Partly Cloudy
16	30.36	39	46	42.5	56.	34.	22.	60	N E	27	N E	20	132	26	0	Cloudy	Cloudy
17	30.08	42	50	46.0	52.	37.	15.	69	N E	12	N E	2	182	21	.33	Cloudy	Cloudy
18	30.04	52	53	52.5	62.	41.	20.	87	N W	12	N W	1	107	12	.01	Cloudy	Cloudy
19	30.11	64	59	61.5	71.	51.	20.	78.0	N W	4	N W	4	107	14	Cloudless	Cloudless	Cloudless
20	30.06	51	50	50.5	62.	46.	14.	92	N W	4	N W	2	193	22	Cloudy	Cloudy	Partly Cloudy
21	29.95	55	59	57.0	70.	46.	24.	97	N W	6	N W	11	218	25	Cloudy	Cloudy	Partly Cloudy
22	30.26	45	43	44.0	53.	39.	14.	57	N W	2	N W	6	152	14	Cloudless	Cloudless	Cloudless
23	30.32	45	44	44.5	54.	34.	17.	53	N W	2	N W	8	225	19	Cloudless	Cloudless	Cloudless
24	30.31	50	51	50.5	60.	42.	18.	86	N E	6	N E	12	246	22	Partly Cloudy	Cloudy	Cloudy
25	30.06	56	55	55.5	65.	50.	15.	77	N E	12	N E	12	354	32	Cloudy	Hy. Rain	Cloudy
26	29.72	60	56	58.0	67.	54.	13.	88	N E	13	N E	12	730	35	1.66	Hy. Rain	Cloudy
27	29.38	50	51	53.5	62.	51.	11.	100	N E	12	N E	12	254	24	.49	Cloudy	Cloudy
28	29.50	50	51	50.5	61.	45.	16.	93	N E	12	N E	6	140	30	Cloudy	Cloudy	Cloudy
29	29.61	53	50	51.5	61.	44.	17.	80	N W	6	N W	2	198	21	.05	Cloudy	Cloudy
30	29.82	47	49	48.0	58.	42.	16.	70.5	N W	12	N W	6	198	21	0	Cloudless	Partly Cloudy
Month's	29.86	45.9	48.4	47.2	57.0	40.2	16.8	75.7	N	10.3	NE&NW	7&8	225.5	20.5	Total.	4.01	

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths).
Monthly Mean, 29.986 inches. Highest, 30.46 in.; Date, 23d. Lowest, 29.23 in.; Date, 27th. Monthly range, 1.18.	Monthly Mean, 47.2 degrees. Highest, 71 deg.; Date, 19th. Lowest, 32 deg.; Dates, 1, 5, 14. Greatest daily range, 39 deg.; Date, 19th. Least daily range, 5 deg.; Date, 1st. Mean daily range, 16.8 degrees. Total excess or deficiency since Jan. 1 = + 200 degrees.	Prevailing direction, N. & N.E. Max. hourly velocity, 9.4 Mean hourly velocity, 7.0 Total monthly movement, 6,765 miles.	Total number of days on which precipitation occurred, 14. *Greatest 24 hour precipitation, 1.11; Dates, 1874-40.0 (in. and tenths), 1.11; Dates, 1875-46.3 26, 27; Total monthly precipitation, 1.11; Dates, 1878-56.1 Total monthly movement, 6,795 miles. Total depth of snow fall (inches and tenths), 0. Storms, 3, 12, 20, 1881-44.1 Total excess or deficiency of precipitation since Jan. 1 = -5.24 in.	1873.-44.1 deg. 1874.-40.0 " 1875.-43.2 " 1876.-47.2 " 1877.-48.3 " 1878.-52.4 " 1879.-46.1 " 1880.-49.3 " 1881.-44.1 " 1882.-43.5 " 1883.-47.2 " 1884.-44.9 " 1885.-46.0 " 1886.-46.3 " 1887.-44.4 " 1888.-41.0 " 1889.-47.2 " 1890.-49.3 " 1891.-44.1 " 1892.-43.5 "	1873.-495 1874.-789 1875.-328 1876.-765 1877.-544 1878.-508 1879.-608 1880.-369 1881.-171 1882.-155 1883.-223 1884.-259 1885.-231 1886.-331 1887.-275 1888.-257 1889.-401 1890.-451 1891.-457 1892.-455

Monthly mean humidity, 76 per cent. Number of cloudy days, 10. Number of partly cloudy days, 10. Number of clear days, 13.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MAY, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of May, 1889.

The population as stated below were given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,300	5	5.8	16	19																					2
Bridgeport.....	40,000	84	11.6	16	19																					1
Bristol.....	7,000	5	8.5																							5
Danbury.....	10,000	22	13.8	6	27.2																					1
Derry.....	7,250	11	18.2	1	9																					1
Enfield.....	8,000	10	15	1	10																					1
Greenwich.....	9,000	11	14.6	2	18.1																					1
Hartford.....	5,300	4	9	1	25																					3
Killbuck.....	52,000	74	13.8	16	21.6																					3
Manchester.....	8,000	15	22.5	3	20																					8
Middleton.....	7,200	8	13.3	3	37.5																					1
Middleton.....	25,500	22	10.3	6	27.2																					3
Middleton.....	14,500	23	10.3	1	4.3																					3
Middleton.....	6,500	7	12.9																							1
Middleton.....	30,000	17	10.2	3	17.6																					1
Middleton.....	35,000	108	13.6	30	27.7																					9
Middleton.....	14,000	20	17.1	7	35																					1
Middleton.....	18,000	24	16	8	33.3																					1
Middleton.....	25,000	28	10	5	23.8																					6
Middleton.....	5,000	8	19.2	4	50																					2
Middleton.....	6,800	8	14.1	1	12.5																					1
Middleton.....	5,500	3	9.5																							1
Middleton.....	16,000	17	12.7	7	41.1																					2
Middleton.....	7,800	13	20	2	15.3																					0
Middleton.....	5,500	7	15.2	4	57.1																					2
Middleton.....	5,000	4	0.6																							1
Middleton.....	10,000	13	15.6	4	30.7																					2
Middleton.....	6,000	9	18	4	44.4																					1
Middleton.....	34,000	33	11.6	8	24.2																					1
Middleton.....	6,300	4	7.7	1	25																					1
Middleton.....	10,000	11	13.2	2	18																					5
Total of 32 above towns.....	513,450	622	14.5	147	23.6																					46
133 of less than 5,000 inhabitants.....	241,272	310	15.4	31	10																					6
Total reported from 165 towns.....	754,722	932	14.6	178	19																					52
Population of towns not reporting.....	4,300																									

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 14; in Middletown, 10; and in New Haven, 11. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in May: Beacon Falls, Bethany, Bethlehem, Bolton, Bridgewater, Cheshire, Columbia, Durham, Eastford, East Granby, Franklin, Goshen, Granby, Hartwinton, Marlborough, Middlebury, Morris, North Canaan, North Haven, Old Lyme, Preston, Prospect, Scotland, Sprague, Warren, Wolcott, Woodbury.—25.

The Registrars of the following towns have made no report for May: Canterbury, Ellington, Redding.—3.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Avon, Bridgeport, Cornwall, Coventry, East Haddam, Falls Village, Griswold, Haddam, Hartford, Hebron, Madison, New Hartford, New Haven, Newtown, Norwalk, Norwich, Portland, Salem, Stamford, Suffield, Westbrook, Westport, Wethersfield, and Windham.

There were 932 deaths in Connecticut in the month of May; this was 141 less than in April; it was 51 less than in May of 1888, and 11 less than the average number of deaths in May for the four years preceding the present.

The number of deaths in the first five months of this year compared with the number in the corresponding months of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
	4868	5381	4736	4733	5333

In the first five months of this year the number of deaths was 513 less than in the first five months of 1888.

The death rate was 14.5 for the large towns; for the small ones 15.4 and 14.6 for the whole State. The deaths from Zymotic diseases numbered 128 and were 13.7 per cent. of the total mortality as against 13.4 per cent. in April.

Cerebro Spinal Fever—Typhoid Fever have been slightly more fatal than in April, while Diphtheria, Measles and Whooping Cough have been less fatal. Of Scarlet Fever there were 11 deaths against 11 in April. Of Pneumonia there were 82 deaths against 127 in April, and of Consumption 119 deaths, being 15 less than in the preceding month.

The following more important of the infectious diseases were reported to this office from the towns mentioned:—

**Scarlet Fever**—Bethel, Danbury, Greenwich, Haddam, Meriden, Middletown, New Haven, Norwalk, Pomfret, Salem, Stamford—11 deaths.

**Measles**—Bridgeport, Brooklyn, Cornwall, Falls Village, Haddam, Hartford, Manchester, Meriden, New Britain, New Hartford, Newtown, Norwalk, Old Saybrook, Plainfield, Wethersfield, Westport—11 deaths.

**Cerebro Spinal Fever**—Canton, Colchester, Colebrook, Derby, Lisbon, New London, Norwalk, Saybrook, Simsbury, Stonington, Vernon, Waterbury, Windham—13 deaths.

**Diphtheria and Croup**—Bloomfield, Bridgeport, Colebrook, Danbury, Darien, East Hartford, Greenwich, Hartford, Manchester, Meriden, Middletown, New Haven, New London, Norwalk, Putnam, Wallingford, Waterbury, Willington, Windsor Locks—43 deaths.

**Whooping Cough**—Danbury, Killingly, New Hartford, New Haven, Stamford, Waterbury—5 deaths.

**Typhoid Fever**—Bridgeport, Chaplin, Hartford, Lyme, New Haven, New Milford, Norwalk, Plymouth, Sherman, Stamford, Vernon, Windham—13 deaths.

**Mumps**—None.

**Diarrhoeal Diseases**—Caused 19 deaths, 9 of which were of children less than 5 years old.

During the month two instances of Ice-cream poisoning have been announced in the public press. One of them occurred at South Glastonbury, at a festival of St. Luke's Church, on the evening of the 16th of May. This was quite a serious affair, although fortunately not resulting in any fatality. Over seventy persons were poisoned, and not a few of them to an alarming degree. They were attacked with vomiting, purging, and griping pains, and in some instances with much suffering. Both children and adults were affected, and the severity was much in proportion to the amount of cream eaten, due consideration being made for the age of the sufferer.

Immediately upon information of the occurrence prompt effort was made by the State Board of Health to investigate the circumstances. Prof. H. E. Smith visited the place, and with the aid of Dr. H. M. Rising, who had the professional care of most of the victims, enquired into the details of the making of the cream and secured such samples of it as remained unconsumed.

From the facts which were obtained at that time in regard to the symptoms exhibited by those afflicted, and the care of the milk from which the ice cream was made, the indications were that the poisoning was due to the presence of tyrotoxin in the cream. A chemical examination of the residue of the cream is going on at this writing, but owing to the fact that the cream was exposed in an open vessel for about 15 hours the probability is that the poison had disappeared before it came into the hands of Prof. Smith.

A significant fact was learned, namely, that a portion of the milk from which the ice cream was made was not permitted to cool at all, but was put into a covered pail, and left standing in a warm place for an hour or two. This treatment of milk has been observed to be favorable to the generation of the poisonous ptomaine, tyrotoxin. Again, after the custard was made, it was not immediately cooled, but kept five hours before freezing, thus giving opportunity for the whole quantity to become charged with tyrotoxin.

The flavoring extracts will also be thoroughly analyzed.

The other instance, which also occasioned some excitement in the locality, partly no doubt in consequence of following so closely upon the Glastonbury cases, was unquestionably a false alarm. This, too, was attributed to the ice-cream used at a church festival. The following statement to the State Board made by Dr. Bloomfield, the health officer at Westbrook, explains the matter: "On the evening of the 23d of May the Methodists of Westbrook held a sociable in the basement of their church, at which ice-cream was dispensed. *Two days after*, a number of the people living in the vicinity were attacked with sore throats. The medical adviser whom they consulted declared the cream to be the cause of the epidemic, naming the trouble, at the same time, 'Tonsillitis.' I had occasion to see a number of the cases at my office who were much frightened, and the ice-cream business was thoroughly enquired into, and in no instance could I attribute the trouble to the cream. 'Those who ate none were as bad as those who ate, and in no case was there any colic, or purging, or vomiting. There has been no ice-cream poisoning here.'

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, June 15, 1889.

# METEOROLOGICAL REPORT FOR THE MONTH OF MAY, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				Precipitation. Inches and Amount.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
Baro- meter†	Date.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	Direction.	Vel. m. per h.		Direction.	Vel.		Daily Movement.
	1	29.97	46	50	48.0	57	41	16	W	6	S W	6	159	Partly Cldy	Partly Cldy
	2	29.04	46	50	48.0	57	41	16	N W	9	N W	7	172	Cloudy	Cloudy
	3	29.88	46	50	47.0	55	42	13	N W	12	W	5	178	Cloudy	Cloudy
	4	29.98	48	54	47.0	55	42	13	N W	12	W	5	178	Cloudy	Cloudy
	5	30.04	48	54	47.0	55	42	13	N W	12	S W	7	158	Cloudless	Cloudless
	6	30.04	48	54	47.0	55	42	13	N W	12	S W	7	158	Cloudless	Cloudless
	7	30.06	52	58	53.5	66	41	18	N E	5	S E	4	128	Cloudless	Cloudless
	8	30.06	52	58	53.5	66	41	18	N E	5	S E	4	128	Cloudless	Cloudless
	9	29.98	55	62	58.5	70	48	24	S E	2	S	4	135	Cloudless	Cloudless
	10	29.74	60	65	61.0	75	51	31	S	2	S	4	108	Cloudless	Cloudless
	11	29.69	60	66	63.0	80	56	38	S	4	S W	8	110	Cloudless	Cloudless
	12	29.69	60	66	63.0	80	56	38	S	4	S W	8	110	Cloudless	Cloudless
	13	29.90	64	68	66.0	72	60	40	N W	4	S E	3	134	Partly Cldy	Partly Cldy
	14	29.78	60	66	63.0	80	56	38	N E	6	S E	3	143	Cloudless	Cloudless
	15	30.00	63	68	65.5	75	58	17	N E	3	S E	3	80	Partly Cldy	Partly Cldy
	16	30.14	56	62	57.0	71	60	13	S E	3	S E	3	97	Cloudy	Cloudy
	17	30.26	54	63	58.5	74	51	23	S E	4	S E	4	133	Cloudy	Cloudy
	18	30.34	58	62	60.0	75	54	21	S E	4	S	7	106	Foggy	Cloudless
	19	30.25	61	64	62.5	72	54	18	S E	6	S	7	110	Foggy	Cloudless
	20	29.96	64	64	64.0	71	60	11	S E	6	S E	11	108	Cloudy	Cloudy
	21	29.70	62	64	63.0	73	60	13	S E	3	S E	11	158	Cloudy	Cloudy
	22	29.70	59	57	58.0	67	57	10	W	3	S W	9	90	Partly Cldy	Partly Cldy
	23	29.84	51	57	54.0	67	46	21	N	16	N	10	155	Cloudy	Cloudy
	24	29.88	57	61	59.0	71	47	24	W	4	S W	10	301	Cloudy	Cloudy
	25	29.92	62	60	61.0	70	57	13	N W	5	N W	19	168	Cloudless	Cloudless
	26	30.02	48	50	49.0	54	43	11	N W	17	N E	4	211	Cloudless	Cloudless
	27	29.92	53	48	50.5	53	46	7	S E	0	N E	11	182	Cloudless	Cloudless
	28	29.84	56	60	58.0	70	48	22	S E	6	N E	11	236	Cloudless	Cloudless
	29	30.21	48	54	51.0	61	41	20	W	6	S W	10	174	Cloudless	Cloudless
	30	30.16	55	63	59.0	68	46	22	N W	3	S	7	191	Cloudy	Cloudy
	31	30.09	66	64	65.0	71	61	10	S E	13	S E	12	357	Partly Cldy	Cloudy
Month	29.974	56.8	58.7	57.8	68.9	50.4	18.5	78.7	S & S E	6.2	S W	6.4	154.0	Total, 3.81	

†T Indicates trace of Precipitation.

**SUMMARY.**

WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and roots).	
Prevailing direction, S. & SE. Mean hourly velocity, 6.5 Max. hourly velocity and direction, 40 miles N. Date, toth. Total monthly movement, 4,775 miles.		Total number of days on which precipitation occurred, 9. *Greatest 24 hour precipitation, (in. and roots), 1.15 : Date, 29th : Total monthly precipitation (in. and roots), 3.81 Total depth of snow fall (inches and roots) 0. Dates of Thun. Storms, 10, 11, 14 Total excess or deficiency of precipitation since Jan. 1 = +.06 in.		1873---56.7 deg. 1874---57.2 1875---58.5 1876---58.5 1877---59.3 1878---61.0 1880---61.0 1881---58.6 1882---51.3		1853---56.5 deg. 1854---55.9 1855---54.9 1856---54.9 1857---60.5 1858---55.0 1859---57.8 1860---57.2 1861---3.24 1881---3.89 1882---3.05	

\* T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and foots.).
		Prevailing direction, S. & SE.	Mean hourly velocity, 6.5	Total number of days on which precipitation occurred, 9.	* Greatest 24 hour precipitation (in. and foots.), 1.15; Date, 20th; Total monthly precipitation (in. and foots.), 3.81	1873, -56.7 deg.	1883, -56.5 deg.	
Monthly Mean, 29.974 inches.	Monthly Mean, 57.8 degrees.	Prevailing direction, S. & SE.	Mean hourly velocity, 6.5	Total number of days on which precipitation occurred, 9.	* Greatest 24 hour precipitation (in. and foots.), 1.15; Date, 20th; Total monthly precipitation (in. and foots.), 3.81	1874, -57.2	1884, -56.5	1873, -56.7
Highest, 30.36 in.; Date, 18th.	Lowest, 37 deg.; Date, 4th.	Max. hourly velocity and direction, 40 miles N. Date, 10th.	Max. hourly velocity and direction, 40 miles N. Date, 10th.	Total monthly movement, 4,775 miles.	Total depth of snow fall (inches and foots.), 0.	1875, -57.2	1885, -56.5	1874, -57.2
Lowest, 29.64 in.; Date, 11th.	Greatest daily range, 36 deg.; Date, 10th.	Least daily range, 7 deg.; Date, 27th.	Least daily range, 7 deg.; Date, 27th.	Total excess or deficiency since Jan. 1 = + 352 degrees.	Total excess or deficiency of precipitation since Jan. 1 = -4.96 in.	1876, -58.5	1886, -56.5	1875, -57.2
Monthly range, 72.	Mean daily range, 18.5 degrees.	Mean daily range, 18.5 degrees.	Mean daily range, 18.5 degrees.			1877, -59.3	1887, -56.5	1876, -58.5
						1878, -59.3	1888, -56.5	1877, -59.3
						1879, -61.4	1889, -57.8	1878, -59.3
						1880, -64.0	1890, -57.8	1879, -61.4
						1881, -58.6	1891, -58.9	1880, -64.0
						1882, -51.3	1892, -50.5	1881, -58.6

Monthly mean humidity, 79.8 per cent. Monthly mean dew point, 51.1. Number of cloudless days, 12. Number of partly cloudy days, 13. Number of cloudy days, 6.  
 Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.







VOL. III.

No. 1.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JUNE, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of June, 1889.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Deaths to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.	10,300	11	12.8	3	27.2		1		1	1							1	1	1	1			1	2	3	1	
Bridgeport.	49,000	64	14.6	24	37.5		3										1	6	4	9	5	1	12	2	6	16	4
Bristol.	7,000	9	15.4	3	33.3				1								1	1	1	2	2	2	2	2	3	2	2
Danbury.	19,000	23	14.5	6	26		1	3		1			1	1			1	1	1	2	2	1	1	3	1	1	
Derby.	7,250	7	11.5							1										1	1	1	1	2	1	1	2
Enfield.	8,000	5	7.5																	3	1			1			
Greenwich.	9,000	7	9.3	1	14.2								1							1	3				2		2
Groton.	5,300	3	6.7																								
Hartford.	52,000	90	18.4	29	32.2		4		5	9		1	2				9	1	17	3	4	8	4	1	5	18	4
Killingly.	8,000	11	16.5	3	27.2														3	3		1	1	1	1	5	4
Manchester.	7,200	9	15	3	33.3					8							1	1	2	2	2	0	2	1	1	4	2
Meriden.	25,500	33	15.5	12	36.3								1				1	1	4	1	1	0	2	2	2	5	1
Middletown.	14,500	20	9.1	2	10				2	1				1			1	1	1	1	1	1	1	1	1	1	1
Naugatuck.	6,500	10	18.4	4	40					1				6			1	1	3	1	1	1	1	1	1	3	2
New Britain.	20,000	20	12	13	65									3			6	3	19	4	6	15	11	6	30	9	9
New Haven.	85,000	137	17	55	49.1		2		1	10	1			1	1		23	3	19	4	6	15	11	6	30	9	9
New London.	14,000	26	22.1	11	42.3												1	1	13	1	1	3	4	1	15	1	1
Norwalk.	18,000	32	21.3	7	21.8				2	1			2	1			1	1	2	1	1	3	1	5	15	1	1
Norwich.	25,000	23	11	3	13												1	1	4	2	2	2	2	2	2	3	1
Plymouth.	5,000	3	7.2	2	66.6												1	1	1	1	1	1	1	1	1	1	1
Potnam.	6,800	9	15.8	6	66.6					5							1	1	1	1	1	1	1	1	1	1	1
Springfield.	5,500	5	10.9	2	40												1	1	1	1	1	1	1	1	1	1	1
Stafford.	5,000	2	4.8														1	1	1	1	1	1	1	1	1	1	1
Stonington.	16,000	20	15	7	35												2	1	1	1	1	4	2	1	9	4	4
Thompson.	7,800	11	16.9	1	9												1	1	1	1	1	1	1	1	1	1	1
Torrington.	5,500	4	8.7	1	25												1	1	1	1	1	1	1	1	1	1	1
Vernon.	5,000	1	2.4																3	1		2	1	1	6	1	1
Wallingford.	10,000	13	15.6	4	30.7												1	1	6	1		2	1	3	2	1	1
Waterbury.	6,000	8	16	3	37.5												1	1	2	3	2	2	3	2	15	2	2
Wethersfield.	34,000	38	13.4	20	52.6		1				5						1	1	6	1		2	1	1	15	2	2
Winchester.	6,300	4	7.0																1	1	1	1	1	1	1	1	1
Windham.	10,000	14	16.8	4	28.5												1	1	3	1		3	2	2	5	1	1
Total of 32 above towns.	513,450	672	15.7	229	34		12	3	11	40	7	2	7	5	3	2	58	7	95	25	16	86	46	44	203	36	36
135 of less than 5,000 inhabitants.	243,272	253	12.4	33	13				4	5	1	1	6			3	6	4	35	16	3	34	29	17	89	9	9
Total reported from 167 towns.	756,722	925	14.6	262	28.3		12	3	15	45	8	3	13	5	3	5	64	11	130	41	19	120	75	61	292	15	15
Population of Essex, not reporting.	2,500																										

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 10; in Middletown, 9; and in New Haven, 16. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in June: Beacon Falls, Berlin, Bethlehem, Bolton, Bozrah, Brookfield, Cheshire, Colebrook, Durham, East Haven, Franklin, Haddam, Lebanon, Madison, Middlebury, Middletown, North Branford, North Stonington, Old Lyme, Prospect, Salem, Saybrook, Sherman, Thomaston, Wilton, Windsor Locks, Wolcott, Woodbury.—28

The Registrar of Essex is the only one who has made no report for June.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 21 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bridgeport, Coventry, East Haddam, Falls Village, Griswold, Hartford, Hebron, New Hartford, New Haven, Newtown, Norwalk, Ridgefield, Roxbury, Salem, Stafford, Suffield, Westport, Wethersfield, Wilton and Windham.

There were 925 deaths in Connecticut in the month of June; this was 7 less than in May; it was 112 more than in June 1888; and 85 more than the average number of deaths in June for the four years preceding the present.

The number of deaths in the two quarters of this year compared with the first two quarters of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
Total for ½ year,	5793	6194	5553	5547	6167

In the first half of this year the number of deaths was 401 less than in the first half of 1888, or 72 less than the average of the first half of the four years preceding.

The death rate was 15.7 in June for the large towns; for the small ones 12.4, and 14.6 for the whole State. The deaths from Zymotic diseases numbered 187 and were 20.2 per cent. of the total mortality as against 13.7 per cent. in May.

Measles, Cerebro-Spinal Fever, Diphtheria and Whooping Cough were a little more fatal than in the previous month. Typhoid Fever had 13 deaths in each month, but Consumption had 130 victims against 119 in May, while Pneumonia had only one-half as many, viz: 82 in May and 41 in June.

There was a marked increase in Diarrhoeal diseases during June. This has been observed as an inevitable accompaniment of increased temperature and especially in the cities. The mean temperature for June was nearly 8° higher than in May, and the relative humidity also considerably greater, both of which conditions become strong factors in causing disease amid filthy surroundings, though comparatively inert where hygienic conditions are otherwise good.

Diphtheria has prevailed quite extensively in New Haven during the month—30 cases were reported to the Health Board, and 10 were fatal. Its occurrence in almost every case confirmed the agency of unsanitary surroundings as a condition of its appearance. Ergo, New Haven is still a dirty city in spots, for all sanitarians recognize Diphtheria as a filth disease. In Hartford, too, this disease has been quite prevalent, but has abated somewhat during June.

The following more important of the infectious diseases were reported to this office from the towns mentioned:—

**Scarlet Fever**—Danbury, Hartford, New Haven, Norwalk, Stafford—3 deaths. The only deaths in the State were in Danbury.

**Measles**—Ansonia, Bridgeport, Danbury, Falls Village, Hartford, New Hartford, New London, Norwalk, Roxbury, Waterbury, Wethersfield—12 deaths.

**Cerebro Spinal Fever**—Ansonia, Branford, Bristol, Hartford, New Haven, New London, Newtown, Norwalk, Plymouth, Voluntown—15 deaths.

**Diphtheria and Croup**—Ansonia, Bethany, Bridgeport, Danbury, Derby, East Hartford, Hartford, Meriden, New Britain, New Haven, New London, Norwalk, Putnam, Redding, Suffield, West Hartford—45 deaths.

**Whooping Cough**—Falls Village, Hartford, Lisbon, Naugatuck, New Hartford, New Haven, Ridgefield, Salem, Waterbury—8 deaths.

**Typhoid Fever**—Andover, Bridgeport, Cornwall, Danbury, East Haddam, Greenwich, Meriden, New Hartford, New Haven, Norwich, South Windsor, Stratford, Trumbull—13 deaths.

**Mumps**—New Hartford, Wethersfield.

**Diarrhoeal Diseases**—Caused 75 deaths, 64 of which were of children less than five years old.

## SUMMER OUTING.

The season has arrived when it is the practice with many persons to leave their homes and seek recreation and renewed vigor of health in some rural location.

The much vaunted salubrity of the country farm house, which was so far beyond criticism a few years ago, has now under the illuminating exposure of modern sanitary science lost much of the charming halo of the goddess Hygeia which formerly surrounded it.

The frequent proximity of hen-roosts, cow yards, ill kept stables and worse pig-styes, the cesspools and privy vaults, with the probable consequent contamination of the well, renders many of them places to be specially avoided. Consider the probable effect upon the health of a community if the average country farm houses, as they are commonly found, with the above mentioned appurtenances were placed in juxtaposition in streets, as in villages and towns. Their aggregation in close proximity would soon breed a pestilence.

There are also places not farm houses, no less objectionable, which have gained popularity as summer resorts, and which by reason of overcrowding and negligence of sanitary laws are dangerous to all who frequent them. The prevalence of Typhoid Fever in the autumn is partly due to the exposure which summer tourists have incurred by a careless indifference to the sanitary condition of the places in which they have sojourned.

Before locating your family for their summer outing, make sure that you have chosen for them a healthy and well kept house, with good drainage, an unpolluted water supply, and where an intelligent respect is paid to the laws of Hygiene.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, July 15, 1889.

## SUGGESTIVE.

The appointment of women on school boards does not meet with approval in all quarters. A janitor in one of the public schools thus relates his grievances: "Here I have been janitor of this school for fifteen years, and not a soul has ever been in the basement but myself, and now this woman comes to inspect the school, and the first thing she does is to ask to see the cellar. And that cellar" he added plaintively, "wasn't in a fit condition for any one to see."—*Sanitary News*.

# METEOROLOGICAL REPORT FOR THE MONTH OF JUNE, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO- METER†	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION. Inches. Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
		Daily Mean.	8 A. M.	8 P. M.	Range.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		Direc- tion.	Vel.		Daily Move- ment.	Max. Velo- city.		8 A. M.	8 P. M.
									Direc- tion.	Vel. in per h.								
1	29.86	59	57	98	94.0	E	18	S E	16	395	24	Cloudy	Li. Rain	Foggy	Cloudy			
2	30.02	56	57	98	99.5	S E	7	S E	6	118	21	Cloudy	Li. Rain	Foggy	Cloudy			
3	29.98	56	58	99	99.5	S E	3	S W	9	95	11	Cloudy	Li. Rain	Foggy	Cloudy			
4	29.72	61	66	99	78	S	5	S W	8	161	16	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy			
5	29.59	63	63	99	64.0	W	12	N W	3	202	22	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy			
6	29.66	59	57	97	73.5	W	11	S W	6	208	18	Cloudless	Cloudless	Cloudless	Cloudless			
7	29.92	59	62	97	88.0	S	5	S	1	135	15	Cloudy	Cloudy	Cloudy	Cloudy			
8	29.90	62	65	97	93.5	S	2	S	10	137	12	Cloudy	Cloudy	Cloudy	Cloudy			
9	30.03	65	68	98	94.0	S	2	S	12	125	11	Foggy	Th. S., Li. R.	Foggy	Partly Cl'dy			
10	30.08	63	71	100	98.0	S	3	S W	5	99	13	Cloudless	Cloudless	Cloudless	Cloudless			
11	30.08	72	67	98	92.0	S	2	S W	5	94	12	Cloudy	Cloudy	Sprinkling	Cloudy			
12	30.16	65	63	84	87.5	N	6	S W	11	99	13	Cloudy	Cloudy	Cloudy	Cloudy			
13	30.16	62	67	86	89	SW	2	S W	10	172	19	Cloudless	Cloudless	Cloudless	Cloudless			
14	30.16	74	71	72	81	SW	1	S W	3	82	12	Cloudless	Cloudless	Cloudless	Cloudless			
15	30.09	68	68	85	88.5	S	4	S W	10	179	22	Cloudy	Cloudless	Cloudless	Cloudless			
16	30.02	71	73	88	93.5	SW	1	S W	3	130	15	Cloudless	Cloudless	Cloudless	Cloudless			
17	29.82	73	69	81	66	SW	1	S W	3	135	16	Cloudless	Cloudless	Cloudless	Cloudless			
18	30.04	64	66	84	69.0	N E	15	S	1	253	40	Cloudless	Cloudless	Cloudless	Cloudless			
19	29.83	54	64	83	86	N E	13	S	1	175	17	Cloudless	Cloudless	Cloudless	Cloudless			
20	29.83	74	73	79	62	N W	2	N W	2	170	15	Cloudless	Th. S., Li. R.	Cloudless	Partly Cl'dy			
21	29.83	73	69	67	79.0	N W	2	N W	11	149	15	Cloudless	Cloudless	Cloudless	Partly Cl'dy			
22	29.83	63	66	70	80.0	N W	12	N W	12	149	20	Cloudless	Cloudless	Cloudless	Cloudless			
23	30.21	62	66	70	65.5	N W	7	N W	3	144	18	Cloudless	Cloudless	Cloudless	Cloudless			
24	30.44	63	63	63	68.5	N	10	S E	5	135	11	Cloudless	Cloudless	Cloudless	Partly Cl'dy			
25	30.42	63	65	61	77.5	N	2	S E	5	66	12	Cloudy	Cloudy	Cloudy	Cloudy			
26	30.20	65	70	67.5	93.5	E	2	S	12	266	17	Foggy	Partly Cl'dy	Cloudy	Cloudy			
27	30.11	70	71	70.5	85.5	SW	0	S W	5	181	16	Cloudy	Partly Cl'dy	Cloudy	Cloudy			
28	30.16	68	72	70.0	93.5	SW	1	S	2	77	11	Cloudless	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy			
29	30.14	70	70	92	96	S	2	S W	7	92	12	Cloudless	Cloudless	Cloudless	Cloudless			
30	30.15	70	72	93	85.0	S	3	S	6	126	12	Cloudless	Cloudless	Cloudless	Cloudless			
Monthly Average.	30.026	65.1	66.3	84.9	84.8	S	5.9	S W	5.9	151.3	15.7	Total			3.17			

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
Monthly Mean, 30.026 inches. Highest, 30.47 in.; Date, 25th. Lowest, 29.59 in.; Date, 5th. Monthly range, .88.	Monthly Mean, 65.7 degrees. Highest, 85 deg.; Date, 20th. Lowest, 47 deg.; Date, 7th. Absolute range, 38 degrees. Greatest daily range, 25 deg.; Date, 7th & 21st. Least daily range, 5 deg.; Date, 1st. Mean daily range, 16.7 degrees. Total excess or deficiency since Jan. 1 = + 315 degrees.	Prevailing direction, S. Mean hourly velocity, 6.3 Max. hourly velocity and direction, 24 miles S. E. Date, 1st. Total monthly movement, 4,540 miles.	Total number of days on which precipitation occurred, 15; *Greatest 24 hour precipitation (in. and tenths), 1.35; Dates, 1. & 2.; Total monthly precipitation (in. and tenths), 3.17 Total depth of snow fall (inches and tenths), 0. Dates of Thun. Storms, 4, 10, 11, 1881--62.4 Total excess or deficiency of precipitation since Jan. 1 = -4.97 in.	1873--68.3 deg. 1884--66.8 1885--65.2 1886--63.1 1887--67.8 1888--65.8 1889--65.7 1890--65.7 1891--65.7 1892--62.2	1873--2.07 1883--1.83 1884--1.81 1885--1.43 1886--2.84 1887--6.17 1888--2.17 1889--4.62 1890--1.21 1891--5.14 1892--2.74

Monthly mean humidity, 84.8 per cent. Monthly mean dew point, 60.8.  
 Notes.—Observations taken on the 75th Meridian time.  
 Elevation of rain and snow gauges, 10 feet.  
 † A minus sign (—) prefixed to figures under this heading indicates temperature below zero.  
 \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



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The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Pauperial Fever.	Diarthra under 5.	Diarthra over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia,.....	10,300	21	24.4	13	61.9	---	---	---	---	1	---	---	---	---	---	1	---	6	2	2	---	---	4	1	---	4	1
Bridgeport,.....	49,000	99	23.5	61	61.6	---	3	1	---	5	1	---	1	---	1	---	30	1	6	2	2	11	4	7	24	5	
Bristol,.....	7,000	9	15.4	2	22.2	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
Danbury,.....	19,000	37	23.3	18	48.6	---	---	---	---	---	---	---	---	---	---	---	10	1	3	---	---	---	---	---	---	---	
Derby,.....	7,250	16	26.4	7	43.7	---	---	---	---	---	---	---	---	---	---	---	5	5	2	1	1	1	2	1	---	---	
Enfield,.....	8,000	10	15.	6	60.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Greenwich,.....	9,000	20	18.7	8	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Groton,.....	5,300	5	11.3	2	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford,.....	52,000	126	24.2	68	53.9	---	---	1	7	1	1	3	2	2	2	2	29	5	7	2	3	6	3	1	54	4	
Killingly,.....	8,000	10	15.	3	30.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester,.....	7,200	9	15.	3	33.3	---	5	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middletown,.....	25,500	51	24.	34	66.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Naugatuck,.....	14,500	30	15.7	6	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain,.....	6,500	9	16.6	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Haven,.....	20,000	52	31.2	29	55.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New London,.....	85,000	159	20.	81	50.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwalk,.....	14,000	30	25.7	11	30.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwich,.....	18,000	27	18.	13	48.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwich,.....	25,000	38	16.3	14	41.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Plainfield,.....	5,000	8	16.2	4	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Putnam,.....	6,800	12	21.1	7	58.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Southington,.....	5,500	4	5.7	2	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford,.....	5,000	3	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington,.....	16,000	47	33.2	25	53.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thompson,.....	7,800	9	13.8	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Torrington,.....	5,500	14	30.5	6	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon,.....	5,000	7	16.8	4	57.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford,.....	10,000	24	28.8	17	70.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury,.....	6,000	9	16.	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury,.....	34,000	72	24.4	48	66.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Winchester,.....	6,300	12	22.8	4	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham,.....	10,000	24	28.8	9	37.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of 32 above towns,.....	513,450	999	23.3	512	51.2	---	8	3	3	31	4	---	12	9	7	6	276	43	91	20	16	91	42	38	209	27	
134 of less than 5,000 inhabitants:.....	243,122	330	16.2	90	27.2	---	2	1	4	4	3	---	9	6	1	---	58	24	36	4	1	35	34	10	98	6	
Total reported from 166 towns,.....	756,572	1329	21	602	45.2	---	10	4	7	35	7	---	21	15	8	6	334	67	127	24	17	126	76	48	397	33	
Population of towns not reporting,.....	2,450	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 21; in Middletown, 11; and in New Haven, 17. Of the mortality in Greenwich 6 were non-residents. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in July: Andover, Avon, Beacon Falls, Bethany, Berblehem, Bozrah, Bridgewater, Easton, Goshen, Haddam, Killingworth, Lebanon, Lyme, Morris, New Fairfield, Norfolk, Plymouth, Prospect, Salem, Sherman, Sterling, Union, Voluntown, Willington, Wolcott—26.

The Registrars of the following towns have made no report for July: Bolton, Washington.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 22 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are : Ashford, Bridgeport, Chester, Coventry, East Haddam, Falls Village, Griswold, Haddam, Hebron, New Hartford, New Haven, Newtown, Norwalk, Plainville, Portland, Ridgefield, Suffield, Wethersfield, Westport, Wilton and Windham.

There were 1,329 deaths in Connecticut in the month of July ; this was 404 more than in June ; it was 178 more than in July, 1888, and 27 more than the average number of deaths in July for the four years preceding the present.

The number of deaths in the first seven months of the year compared with the same of each of the four years preceding was as follows :

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
Total for ½ year,	5793	6194	5553	5547	6167
July,	1329	1188	1649	1093	1278

In the first seven months of this year the number of deaths was 7,122, being 260 less than in the corresponding months of last year.

The death-rate was 23.3 for the large towns ; 16.2 for the small towns, and 21. for the whole State. The deaths from Zymotic diseases were 514, being 38.6 per cent. of the total mortality, as against 20.2 in June. Of this class there is some increase in Typhoid Fever, but the most of the excess is from Diarrhoeal diseases, there having been 401 deaths against 75 in June.

Measles, Cerebro-Spinal Fever, Diphtheria, Whooping Cough, Erysipelas, were less fatal than in June.

The following infectious diseases were reported to this office from the towns mentioned :

**Scarlet Fever**—Bridgeport, Danbury, Falls Village, New Haven, Norwalk and Redding—4 deaths.

**Measles**—Bridgeport, Falls Village, Meriden, New Hartford, Norwalk, Plainville, Waterford and Wilton—10 deaths.

**Cerebro-Spinal Fever**—Bristol, East Haven, Ellington, Hartford, Lisbon, Suffield and Windham—7 deaths.

**Diphtheria and Croup**—Ansonia, Bridgeport, Clinton, East Hartford, Glastonbury, Hartford, Meriden, New Haven, New London, Portland, Putnam, Thompson, Waterbury and West Hartford—35 deaths.

**Whooping Cough**—Bridgeport, Darien, Hartford, Meriden, New Hartford, New Haven, West Brook and Woodbury—7 deaths.

**Typhoid Fever**—Bristol, Cromwell, Danbury, Groton, Hartford, Manchester, Naugatuck, New Haven, Newtown, North Canaan, Seymour, Stamford, Stonington, Suffield, Westport and Windsor Locks—21 deaths.

**Infantile Diarrhoea**—has been very prevalent and fatal in Bridgeport, Meriden, New Britain, Stamford, Torrington, Vernon, Waterbury and Windham.

An epidemic of Dysentery was reported in Plainville.

## Infantile Diarrhoea and Infant Feeding.

What is the relation of one to the other ? These are the topics which are now worrying the minds of anxious mothers, and taxing the intelligence and skill of conscientious physicians.

The prevailing belief is that the two great factors in the production of so-called "summer complaint" are a high temperature and improper food. Without a question these are two great factors—but probably not in the way that is generally supposed.

A high temperature is not the direct cause, for the reason that *nursing* babies in a high temperature rarely have diarrhoea. It is not then caused simply by the heat acting on the infant, or nursing babies would suffer equally. If we enquire about the food, it will be found that nine times in ten the food used, when the baby sickens, is cow's milk diluted more or less with water and sweetened with sugar. But if we feed babies with cow's milk prepared in the same way in cool weather they do not have diarrhoea. Cow's milk diluted and sweetened is therefore not in itself an improper food for babies, as is constantly proved by their healthy and vigorous growth when fed upon it, in cooler weather.

Does the heat of summer directly influence the milk, so changing it that it becomes an improper food ? The answer is no ; because if the milk is received directly from the cow in a sterilized vessel and hermetically sealed, so that it has no contact with air, it will keep indefinitely and is not changed by any high summer temperature.

If, then, heat alone does not cause Infantile Diarrhoea, and if diluted milk is not an improper food for infants, and again if summer heat by its own effect does not change the milk, there must yet be some other hidden factor which makes the combination of these two agencies, heat and cow's milk so dangerous to babies. Neither one alone is injurious, nor does the heat alone change the milk. What then is the solution of this problem, so important to the welfare of the little ones ? Recent investigations all point in one direction, which leads to the belief that the cause of the "summer complaint" of babies is a poisonous agent *added* to the artificial food of infants. That this dangerous addition is a living germ—a micro-organism, a microbe. That when taken into the digestive organs of infants it finds there both nidus and pabulum for its development and multiplication and that either by its own action it causes diarrhoea or through certain of its life processes a virulent chemical poison is developed.

This disease germ is developed only under the conditions of a high summer temperature and the presence of dead organic matter. It follows, then, that the true secret of caring for the babies in hot weather, is in excluding these disease-germs from their food.

The following rule for giving an infant the "summer complaint" is infallible in hot weather :

Expose its food before feeding for an hour in any kind of an open dish in a dirty kitchen sink—quicker, if there is a pipe from the sink to a cesspool ; or in a foul cellar in which there are decaying vegetables, or in an ill-ventilated pantry to which the effluvia and the flies from a neighboring privy vault have free access. It will not matter whether the food be cow's milk, or goat's milk, or asses' milk, or condensed milk, or any of the patented prepared foods in the market, they all afford a good vehicle by which these disease-germs may reach the babies' bowels and set up therein an intestine war.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, August 15, 1889.

# METEOROLOGICAL REPORT FOR THE MONTH OF JULY, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†						RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Minimum.	Maximum.	Range.	8 A. M.	8 P. M.	Direction.	Vel. per h.	Direction.	Vel.	Daily Movement.	Max. Velocity.	8 A. M.	P. M.	
1	30.27	69.0	68.4	72.0	76.0	67.0	9.0	E	7	S E	4	S E	158	16	.04	Cloudy	Cloudy	
2	30.23	70.4	70.7	70.0	76.0	64.0	12.0	E	7	S E	6	S E	204	15	1.70	Cloudy	Cloudy	
3	30.06	70.0	70.4	70.0	72.0	67.0	5.0	S	10	N W	1	N W	266	18	1.66	Cloudy	Cloudy	
4	29.90	70.7	64.0	68.0	76.0	59.0	17.0	S	12	N W	2	N W	223	22	.02	Cloudless	Cloudless	
5	30.05	70.3	69.2	69.0	77.0	59.0	18.0	N E	10	N	8	N	179	16	0	Cloudless	Cloudless	
6	30.22	70.0	69.0	68.0	79.0	59.0	20.0	N E	15	N	6	N	216	22	0	Cloudless	Cloudless	
7	30.11	70.4	75.0	72.0	83.0	60.0	23.0	N W	1	N W	2	N W	114	12	0	Cloudless	Cloudless	
8	29.93	74.2	82.1	76.0	88.0	65.0	23.0	N W	8	N W	4	N W	155	16	0	Cloudless	Cloudless	
9	30.01	68.8	67.7	71.0	75.0	67.0	8.0	E	5	S E	5	S E	126	11	.07	Cloudy	Cloudy	
10	30.05	62.6	64.0	64.0	66.0	61.0	5.0	E	7	S E	3	S E	133	10	1.0	Cloudy	Cloudy	
11	29.93	66.2	70.2	68.0	75.0	62.0	13.0	N	6	S W	4	S W	135	12	.41	Cloudy	Cloudy	
12	29.97	70.0	74.0	76.0	85.0	67.0	18.0	N	6	S W	6	S W	137	14	.01	Cloudy	Cloudy	
13	29.93	69.1	73.2	72.0	78.0	64.0	15.0	N	5	N W	3	N W	147	14	0	Cloudy	Cloudy	
14	29.83	77.0	74.4	76.0	84.0	69.0	15.0	N	16	N	3	N	159	20	1.35	Partly Cl'dy	Partly Cl'dy	
15	29.76	64.1	61.0	62.0	66.0	57.0	9.0	N	9	N	3	N	252	16	0	Cloudless	Cloudless	
16	29.95	65.4	71.1	66.0	77.0	55.0	22.0	N W	9	N	3	N	130	13	0	Cloudless	Cloudless	
17	29.91	68.0	71.0	72.0	83.0	62.0	21.0	N W	4	N	3	N	132	11	0	Partly Cl'dy	Partly Cl'dy	
18	29.95	67.2	68.8	68.0	76.0	57.0	19.0	N	11	S	3	S	133	11	0	Cloudless	Cloudless	
19	29.87	70.1	70.0	76.0	83.0	63.0	20.0	N	4	S	24	S	133	29	.20	Cloudy	Cloudy	
20	29.88	72.3	72.0	76.0	82.0	66.0	16.0	N	11	N W	2	N W	163	25	1.30	Cloudy	Cloudy	
21	29.95	69.3	72.2	70.0	80.0	69.0	11.0	N	14	N W	2	N W	205	15	0	Cloudless	Cloudless	
22	29.81	71.0	72.3	73.0	81.0	65.0	16.0	N E	4	N W	8	N W	128	12	0	Partly Cl'dy	Partly Cl'dy	
23	29.92	69.7	69.0	69.0	78.0	66.0	12.0	N	6	N W	7	N W	144	27	1.31	Cloudy	Cloudy	
24	30.07	63.6	68.7	66.0	75.0	67.0	18.0	N W	4	N W	5	N W	135	15	0	Cloudless	Cloudless	
25	30.07	63.6	66.2	66.0	75.0	57.0	18.0	N W	8	S	4	S	133	12	0	Cloudless	Cloudless	
26	30.11	68.0	66.3	66.0	77.0	56.0	21.0	N E	5	S E	4	S E	127	13	0	Cloudless	Cloudless	
27	29.91	62.0	63.3	64.0	67.0	62.0	5.0	N	12	N	7	N	219	19	2.18	Cloudy	Cloudy	
28	29.98	64.4	68.7	64.0	69.0	60.0	9.0	N	8	E	7	E	105	10	.03	Cloudy	Cloudy	
29	30.02	73.8	74.8	73.0	80.0	66.0	14.0	N	10	E	5	E	266	25	.28	Cloudy	Cloudy	
30	30.10	73.4	70.1	75.0	80.0	70.0	10.0	N	12	W	5	W	241	25	2.76	Partly Cl'dy	Partly Cl'dy	
31	30.17	72.0	70.0	72.0	79.0	66.0	13.0	S W	3	W	4	W	86	13	3.81	Cloudy	Cloudy	
Month	29.997	68.9	70.3	70.0	77.5	62.5	15.0	S	7.6	S	5.7	S	171.3	16.6	Total.	Cloudy	Cloudy	
															17.08			

\* T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	CONV. RAINFALL (Inches and tenths).
Monthly Mean, 29.986 inches. Highest, 30.38 in.; Date, 1st. Lowest, 29.65 in.; Date, 20th. Monthly range, .63.	Monthly Mean, 70.0 degrees. Highest, 88 deg.; Date, 8th. Lowest, 55 deg.; Date, 10th. Absolute range, 33 degrees. Greatest daily range, 23 deg.; Dates, 7th & 8th. Least daily range, 5 deg.; Dates, 3d, 10th & 27th. Mean daily range, 15.0 degrees. Total excess or deficiency since Jan. 1 = + 7.36 in.	Prevailing direction, S. Mean hourly velocity, 7.2 Max. hourly velocity and direction, 29 miles S. Date, 19th. Total monthly movement, 53.31 miles.	Total number of days on which precipitation occurred, 18. *Greatest 24 hour precipitation, 18.75 - .730 " (inches and tenths). 6.15 " Dates, 30 & 31; Total monthly precipitation (in. and tenths), 17.08 Total depth of snow fall (inches and tenths) 0. [23, 29, 30, 1889-705 " Dates of Thun. Storms, 4, 12, 17, 1881-705 " Total excess or deficiency of precipitation since Jan. 1 = + 7.36 in.	1873-72.4 deg. 1874-72.3 " 1875-73.0 " 1876-77.2 " 1877-73.5 " 1878-75.1 " 1879-73.4 " 1880-70.0 " 1881-70.5 " 1882-71.6 "	1873-1.55 1883-.567 1874-4.00 1884-.589 1875-4.42 1885-.251 1876-11.05 1886-.469 1877-2.37 1887-1.76 1878-2.53 1888-1.76 1879-9.50 1889-17.08 1880-4.90 1881-3.53 1882-3.03

Monthly mean humidity, 83 per cent. Monthly mean dew point, 64.0. Number of cloudless days, 10. Number of cloudy days, 13.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 703 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF AUGUST, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of August, 1889.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 Years.	Percentage of Deaths under 5 Years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Periperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.	10,300	11	12.9	8	72.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bridgeport.	49,000	67	15.9	29	43.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bristol.	7,000	10	17.1	4	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.	19,000	45	25.4	21	46.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby.	7,250	14	23.1	6	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.	8,000	15	22.5	2	13.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.	9,000	14	16.	6	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.	5,300	8	18.1	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.	52,000	94	17.9	30	31.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly.	8,000	15	22.5	7	46.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.	7,200	9	15.	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.	25,500	45	21.1	24	53.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.	14,500	30	19.	5	13.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.	8,500	11	20.	4	30.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.	28,000	30	18.	15	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.	85,000	173	13.	51	45.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.	18,000	33	25.7	8	33.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.	25,000	33	16.3	18	52.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.	5,000	7	10.8	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Plainfield.	6,800	21	37.	10	47.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.	5,500	3	6.5	1	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.	5,000	7	16.8	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stafford.	16,000	43	32.2	20	46.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.	7,800	12	18.4	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.	5,500	10	21.8	5	50.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.	5,000	5	12.	1	20.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.	10,000	18	21.6	12	66.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.	6,000	5	10.	2	40.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallington.	34,000	50	17.6	22	44.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.	6,300	10	19.	1	10.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windsor.	10,000	20	24.	13	65.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.	513,450	835	19.5	350	41.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of 32 above towns.	244,972	355	17.3	85	23.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
135 of less than 5,000 inhabitants.	758,422	1190	18.8	435	36.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 167 towns.	600	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of town not reporting.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 2; in Hartford, 19; in Middletown, 13; in New Haven, 13; and in Greenwich 2, non-residents. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in August: Andover, Bridgewater, Brooklyn, Canterbury, Chaplin, Columbia, Eastford, East Granby, East Haven, Essex, Hampton, Killingworth, Lyme, Marlborough, Morris, Roxbury, Salem, Union, Woodbridge—19.

The Registrar of Hartland made no report for August.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 27 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bloomfield, Brooklyn, Cheshire, Coventry, Danbury, East Haddam, Falls Village, Granby, Greenwich, Griswold, Haddam, Hartford, Hebron, New Britain, New Hartford, New Haven, Newtown, Norwalk, Portland, Rocky Hill, Roxbury, Salem, Waterbury, Westport, Wethersfield and Windham.

There were 1,190 deaths in Connecticut in the month of August; this was 139 less than in July; it was 243 less than in August 1888, and 79 less than the average number of deaths in August for the four years preceding the present.

The number of deaths in the first eight months of the year compared with the same of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	592	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
Total for $\frac{1}{2}$ year,	5793	6194	5553	5547	6167
July,	1329	1188	1649	1093	1278
August,	1190	1433	1278	1208	1158

In the first eight months of this year the number of deaths was 8,312, being 503 less than in the corresponding months of last year.

The death-rate was 19.5 for the large towns; 17.4 for the small towns, and 18.8 for the whole State. The deaths from Zymotic diseases were 426, being 35.8 per cent. of the total mortality, as against 38.6 in July.

The following diseases were more fatal in August than in July: Scarlet Fever, Cerebro-Spinal Fever, Diphtheria, Whooping Cough, Erysipelas, Typhoid Fever, Typho-Malarial Fever and Pneumonia. The greatest increase being in Cerebro-Spinal Fever, Diphtheria, Typhoid and Typho-Malarial Fevers.

The following diseases were less fatal in August than in July: Malarial Fever, Puerperal Fever, Diarrhoeal diseases, Consumption. The greatest decrease was from Diarrhoeal diseases, from which the fatality was 125 less.

The following Infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Granby, Greenwich, Norwalk—no deaths.

**Scarlet Fever**—Danbury, Haddam, New Haven, Somers, Stamford—5 deaths.

**Cerebro-Spinal Fever**—Bozrah, Branford, Danbury, Derby, Franklin, Lisbon, Manchester, Stonington, Thompson, Vernon, Windsor Locks—15 deaths.

**Diphtheria and Croup**—Bloomfield, Bridgeport, Danbury, Derby, East Hartford, Glastonbury, Greenwich, Griswold, Hartford, Meriden, Middletown, New Britain, New Haven, New London, New Milford, Norwalk, Norwich, Portland, Putnam, South Windsor, Voluntown, Waterbury—46 deaths.

**Whooping Cough**—Bridgeport, Brooklyn, East Windsor, Greenwich, Griswold, Hartford, New Haven, Norwalk, Ridgefield, Roxbury, Salem, Stamford—15 deaths.

**Typhoid Fever**—Bethel, Berlin, Bloomfield, Branford, Bristol, Danbury, Durham, Griswold, Hartford, Meriden, Milford, Naugatuck, New Britain, New Haven, Newtown, Norfolk, North Canaan, Norwalk, Norwich, Salem, Sharon, Stafford, Stamford, Stonington, Thompson, Wallingford, Waterbury, Westport, Wellington, Windsor, Woodstock—45 deaths.

**Diarrhoeal Diseases** have been reported from almost every town in the State, and there were fatal results in 78 towns. Still the mortality was considerably less than usual in August. There were but 276 deaths from all forms of Diarrhoeal Diseases against an average of 373 in the August of the four years immediately preceding.

This lessened mortality from intestinal diseases cannot be attributed to a lower average temperature, because such did not exist. The mean temperature for August, during the four preceding years, was 68°.2, while for this year it was 68°.5. The deaths from these diseases in August, 1888, numbered 537—nearly double the mortality of this year. But the mean temperature for August, 1888, was less than one degree higher, viz: 69°.2. Nor were the other recognizable meteorological differences sufficient to explain this wide difference in the mortality.

Dysentery is reported by Dr. Douctell as having been epidemic in New Britain, but abating during August. He estimates 300 cases in the town during the summer, with 23 deaths. It has prevailed chiefly among the Irish, who occupy the most elevated part of the city.

Dr. Griswold reports dysentery as prevailing extensively in Portland, and manifesting decidedly contagious properties. He thinks there have been 40 to 50 cases in all, scattered over a considerable area, and not to be attributed, in his opinion, to local causes, other than contagion—that those in close attendance upon the sick were in many cases attacked themselves. In three houses there were 3 cases in each; in one house there were 5 cases.

Cholera Infantum, he writes, was confined entirely to bottle-fed babies and to families of uncleanly habits, who disregarded instructions and neglected the proper care of nursing appliances.

The general health of the State was not only better than in the previous month but was better than in the corresponding month for several years past.

The improvement appears to have been almost wholly due to diminished Diarrhoeal diseases. Diarrhoeal diseases are preëminently filth diseases. Query—Did the bountiful lavation which Nature poured upon the dirty face of Connecticut in July, bathing its whole surface in water more than 17 inches deep so dilute and wash away the accumulation of filth as to prove a most efficient disinfectant?

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, September 15, 1889.



# METEOROLOGICAL REPORT FOR THE MONTH OF AUGUST, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BAROMETER.		TEMPERATURE.				RELATIVE HUMIDITY.			WIND.				PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	8 P. M.	8 P. M.		Daily Movement.	Max. Velocity.						
										Direction.	Vel. per h.				Direction.	Vel.			
1	30.11	71.0	72.0	74.0	80.8	69.0	11.0	80	91	94.5	0	6	SW	10	186	15	Cloudy	Cloudy	
2	30.05	71.0	73.8	75.0	81.0	69.0	12.0	95	93	92.0	SW	6	SW	SW	6	177	18	Cloudy	Partly Cl'dy
3	30.00	72.1	72.0	73.0	76.0	70.0	6.0	72	92	74.5	SW	10	SW	SW	2	164	17	Cloudy	Cloudless
4	30.10	71.4	71.0	72.0	81.0	64.0	17.0	75	77	74.0	W	5	SW	SW	5	162	15	Cloudless	Cloudless
5	30.10	68.3	66.8	68.0	71.0	65.0	6.0	81	88	86.0	S	2	SW	SW	2	54	7	Partly Cl'dy	Partly Cl'dy
6	30.15	65.4	66.2	67.0	77.0	57.0	20.0	70	84	77.0	N	9	SW	N	2	122	13	Cloudless	Cloudless
7	30.12	68.0	67.9	67.0	76.0	56.0	20.0	56	65	60.5	N	7	N	N	4	146	12	Cloudless	Cloudless
8	30.19	63.9	68.0	66.0	76.0	56.0	20.0	64	75	69.5	N	6	SW	N	6	163	12	Cloudless	Cloudless
9	30.06	68.8	68.5	67.0	72.0	62.0	10.0	70	89	79.5	SW	9	SW	SW	3	151	15	Cloudy	Partly Cl'dy
10	29.90	68.8	67.0	72.0	79.0	64.0	15.0	96	77	86.5	SW	5	SW	SW	3	153	18	Cloudless	Cloudless
11	30.10	65.8	64.0	67.0	74.0	60.0	14.0	69	73	71.0	NW	4	N	N	3	144	13	Cloudless	Cloudless
12	30.12	61.5	66.0	62.0	74.0	51.0	23.0	68	71	69.5	NW	4	SW	SW	5	168	14	Cloudy	Cloudy
13	30.82	63.0	68.7	68.0	79.0	60.0	19.0	76	93	84.5	SE	2	SW	NE	6	173	14	Heavy Rain	Cloudy
14	29.82	69.3	64.0	68.0	72.0	64.0	8.0	100	94	97.0	SE	4	N	N	1.92	102	10	Cloudy	Cloudy
15	29.81	62.5	65.0	68.0	75.0	61.0	14.0	97	90	93.5	NW	5	N	N	6	151	13	Cloudless	Cloudless
16	29.91	63.0	68.2	65.0	74.0	56.0	18.0	82	71	76.5	NW	2	W	W	4	124	12	Cloudless	Cloudless
17	30.02	66.1	66.9	66.0	75.0	56.0	19.0	80	75	77.5	NW	6	W	W	3	128	12	Cloudless	Cloudless
18	30.03	62.0	67.4	64.0	75.0	54.0	21.0	82	71	76.5	NW	1	W	W	3	80	8	Partly Cl'dy	Partly Cl'dy
19	29.96	72.8	69.3	66.0	77.0	55.0	22.0	79	63	72.0	NW	1	SW	NW	6	127	15	Partly Cl'dy	Partly Cl'dy
20	29.92	74.2	72.0	72.0	80.0	65.0	17.0	75	69	71.0	N	2	N	S	5	120	11	Cloudless	Cloudless
21	29.91	74.0	70.0	70.0	81.0	66.0	15.0	73	78	81.0	NW	10	NW	NW	3	129	14	Cloudless	Cloudless
22	30.02	64.8	68.1	70.0	77.0	62.0	15.0	71	96	83.5	NW	6	SE	SE	5	135	12	Cloudy	Heavy Rain
23	30.12	64.2	69.0	70.0	77.0	63.0	14.0	92	90	92.5	NW	6	SE	S	2	141	10	Cloudless	Cloudless
24	30.20	65.2	66.4	68.0	75.0	62.0	13.0	95	89	90.5	NW	10	E	E	4	139	11	Cloudless	Partly Cl'dy
25	30.28	61.4	64.0	66.0	75.0	58.0	17.0	87	66	76.0	NW	12	N	N	10	263	21	Cloudless	Partly Cl'dy
26	30.30	59.0	63.0	64.0	73.0	55.0	18.0	79	89	79.5	NW	13	E	E	6	224	18	Cloudless	Cloudless
27	30.23	57.2	62.8	62.0	74.0	50.0	24.0	66	87	76.5	NW	13	E	E	2	183	16	Cloudless	Cloudless
28	30.15	55.0	65.7	62.0	75.0	50.0	25.0	94	85	89.5	N	10	N	N	4	195	20	Cloudless	Partly Cl'dy
29	30.13	63.5	71.4	66.0	79.0	53.0	26.0	84	79	81.5	N	10	SW	N	2	01	11	Cloudless	Cloudless
30	30.14	69.0	75.0	73.0	85.0	61.0	24.0	72	62	67.0	N	10	N	N	4	140	14	Cloudless	Cloudless
Month's	30.070	65.9	68.4	68.4	76.8	60.2	16.6	80.7	80.7	80.6	NNW	6.0	SW	SW	4.5	147.5	13.8	Total.	4.38

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL.	
	Monthly Mean.	Highest.	Lowest.	Absolute range.	Monthly Mean.	Highest.	Lowest.	Absolute range.	Monthly Mean.	Highest.
Monthly Mean.	30.070 inches.	30.31 in.	29.75 in.	0.56 in.	68.4 deg.	85.0 deg.	53.0 deg.	32.0 deg.	1.26 in.	4.38 in.
Highest.	30.31 in.	30.31 in.	29.75 in.	0.56 in.	85.0 deg.	85.0 deg.	53.0 deg.	32.0 deg.	4.38 in.	4.38 in.
Lowest.	29.75 in.	30.31 in.	29.75 in.	0.56 in.	53.0 deg.	85.0 deg.	53.0 deg.	32.0 deg.	1.26 in.	4.38 in.
Monthly range.	0.56 in.	30.31 in.	29.75 in.	0.56 in.	32.0 deg.	85.0 deg.	53.0 deg.	32.0 deg.	3.12 in.	3.12 in.

Monthly mean humidity, 81 per cent. Monthly mean dew point, 60.7. Number of cloudless days, 11. Number of cloudy days, 6.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF SEPTEMBER, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

*And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of September, 1889.*

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Mortality, Years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,300	11	12.8	5	45.4	—	—	—	—	—	—	—	1	1	1	—	—	1	—	1	—	2	1	1	5	3
Bridgeport.....	49,000	58	13.1	18	31.	—	—	—	—	3	—	—	1	1	1	—	7	1	6	—	1	5	5	1	28	—
Bristol.....	7,000	10	32.5	0	31.5	—	—	—	—	—	—	—	—	—	—	—	2	1	3	1	1	5	3	1	7	—
Danbury.....	19,000	31	19.5	6	19.3	—	—	—	—	1	—	—	5	1	1	—	1	1	5	—	1	6	2	2	2	2
Derby.....	7,250	5	8.2	2	40.	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—
Enfield.....	8,000	7	10.5	1	14.2	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	2	—	—	1	3	—
Greenwich.....	9,000	8	10.6	2	25.	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	2	—	—	—	—	—
Groton.....	5,300	8	18.1	2	25.	—	—	—	—	—	—	—	5	1	1	—	1	2	7	5	5	11	4	1	5	5
Hartford.....	52,000	86	15.7	25	29.	—	—	—	4	5	1	—	—	—	—	—	4	1	1	—	1	2	1	—	—	—
Killingly.....	8,000	11	16.5	6	54.5	—	—	—	—	1	—	—	1	1	1	—	—	—	—	—	3	—	—	—	—	—
Manchester.....	7,200	12	20.	5	41.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Merriden.....	25,500	32	15.	14	44.	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Middletown.....	14,500	14	5.8	1	7.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Naugatuck.....	6,500	12	22.1	2	17.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Britain.....	20,000	29	17.4	11	38.	—	—	—	—	—	—	—	4	1	1	—	6	3	1	1	1	3	1	—	—	—
New Haven.....	85,000	120	14.1	38	31.6	—	—	—	—	8	—	—	—	—	—	—	11	3	21	4	6	21	5	4	34	5
New London.....	14,000	18	15.4	3	16.6	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	1	4	1	—	—	—
Norfolk.....	18,000	23	15.3	12	51.3	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	4	—	—	—	—	—
Norwich.....	25,000	27	13.	6	22.2	—	—	—	—	—	—	—	—	—	—	—	2	—	5	2	—	—	—	—	—	—
Plainfield.....	5,000	5	12.	3	60.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Putnam.....	6,800	19	33.5	15	79.	—	—	—	1	6	—	—	—	—	—	—	4	—	1	—	—	—	—	—	—	—
Southington.....	5,500	5	10.9	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Stafford.....	5,000	6	14.4	2	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stamford.....	16,000	23	17.2	8	34.7	—	—	—	2	—	—	—	—	—	—	—	2	—	3	3	1	3	1	—	—	—
Stonington.....	7,800	15	23.	5	33.3	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Thompson.....	5,500	10	22.	5	50.	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Torrington.....	5,000	7	16.8	3	42.8	—	—	—	—	—	—	—	2	—	—	—	3	—	1	—	—	—	—	—	—	—
Vernon.....	10,000	14	16.8	5	35.7	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wallingford.....	6,000	5	10.	3	60.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Waterbury.....	34,000	36	13.4	19	56.	—	—	—	—	3	—	—	2	—	—	—	3	—	6	1	2	1	2	16	1	—
Winchester.....	6,300	6	11.4	1	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Windham.....	10,000	12	14.4	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2	—	1	1	4	—	—	—
Total of 32 above towns.....	513,450	696	16.2	234	33.6	—	—	—	2	8	37	2	30	12	10	—	64	12	78	24	20	79	41	26	247	25
135 of less than 5,000 inhabitants.....	244,372	344	16.8	74	21.3	—	—	—	1	6	17	1	14	4	2	—	35	13	38	13	3	34	27	12	123	5
Total reported from 167 towns.....	757,822	1040	16.4	308	29.5	—	—	—	3	14	54	3	44	16	12	—	99	25	116	37	23	113	71	38	370	30
Population of town not reporting.....	1200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 13; in Middletown, 7; in New Haven, 20. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in September: Andover, Barkhamstead, Bethlehem, Bozrah, Canterbury, Chaplin, Columbia, Cornwall, Durham, East Granby, Eastford, Easton, Essex, Hartland, Killingworth, Madison, New Fairfield, North Haven, Preston, Salem, Saybrook, Sherman, Sprague, West Hartford—24.

The Registrar of Chester is the only one who has not reported for September.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 32 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bridgeport, Brooklyn, Colchester, Colebrook, Coventry, Durham, East Windsor, Falls Village, Greenwich, Griswold, Guilford, Haddam, Hartford, Hebron, Madison, New Britain, New Hartford, New Haven, Newtown, Norwalk, Plymouth, Portland, Ridgefield, Salem, South Glastonbury, Suffield, Vernon, Waterbury, Westport, Wethersfield, Wilton.

There were 1040 deaths in Connecticut in the month of September; this was 150 less than in August; it was 8 more than in September, 1888, and 65 more than the average number of deaths in September for the four years preceding the present.

The number of deaths in the first nine months of the year compared with the same of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
July,	1329	1188	1649	1093	1278
August,	1190	1433	1278	1208	1158
September,	1040	1032	1004	974	888
3d Quarter,	3559	3653	3921	3275	3324
Total for 9 mos.,	9352	9847	9474	8822	9491

In the first nine months of the year the number of deaths was 9352, being 495 less than in the corresponding month of last year, and 49 less than the average in the same months for the last four years.

The death rate was 16.2 for the large towns; 16.8 for the small towns, and 16.4 for the whole State. The deaths from Zymotic diseases were 271, being 26 per cent. of the total mortality, as against 35.8 in August.

The following diseases were more fatal in September than in August: Diphtheria, Malarial Fevers, Puerperal Fever, Pneumonia and Bronchitis.

The following diseases were less fatal in September than in August: Scarlet Fever, Cerebro-Spinal Fever, Whooping Cough, Typhoid Fever, Diarrhoeas, Consumption. There were no deaths in the State from Small Pox or Measles—only 3 from Scarlet Fever, and 3 from Whooping Cough.

The difference in the mortality in September and August was 150. The difference in the mortality in September and August from Diarrhoeal diseases was 152. There are no very considerable differences in the number of deaths from other diseases, hence the general health of the State is practically the same as in August, excepting the diminished sickness and death from intestinal disorders.

Disorders of the intestinal canal are less frequent, simply because the chief causes of such disorders, being produced by the action of the high temperature of August, on the filth we keep in and about our homes are generated more abundantly than in the lower temperature of September, and the cooler weather of October will diminish their production still more.

An outbreak of Diphtheria took place during the month in the County Home for Indigent and Neglected Children at Stratford. Among 33 resident children there occurred 14 cases, 4 of which have terminated fatally. No special cause has been discovered as an origin of the epidemic. But it has been ascertained that there have been outbreaks of this disease in the home at intervals for 12 years past, although none before since occupied by the "Home." Dr. Bowman reports an epidemic of Diphtheria in Colebrook.

Dr. Goodwin of Thomaston and Dr. Wilson of Meriden report respectively for each of these towns the prevalence of Jaundice with Gastro-duodenal symptoms.

Dr. Allen of East Windsor and Dr. Jennings of Griswold report Typhoid Fever as unusually prevalent in those towns.

The following Infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Wilton—no deaths.

**Scarlet Fever**—Guilford, Hartford, New Haven, Norwalk, Redding, Stamford, Westport—3 deaths.

**Cerebro-Spinal Fever**—Branford, Hartford, New Milford, Pomfret, Putnam, Sharon, Thomaston, Thompson, Trumbull, Windham—14 deaths.

**Diphtheria and Croup**—Bridgeport, Colebrook, Cromwell, Danbury, East Hartford, Franklin, Glastonbury, Griswold, Hartford, Manchester, Meriden, New Britain, New Haven, Norwalk, Portland, Prospect, Putnam, Stratford, Southington, Vernon, Voluntown, Wallingford, Waterbury, Windsor Locks—54 deaths.

**Whooping Cough**—Brooklyn, Durham, Hartford, Plainfield, Windsor—3 deaths.

**Typhoid Fever**—Ansonia, Bridgeport, Brooklyn, Canton, Cheshire, Colchester, Coventry, Danbury, Durham, East Hartford, East Windsor, Greenwich, Griswold, Hartford, Huntington, Naugatuck, New Britain, New Hartford, New Haven, New London, Newtown, Norwalk, Portland, Redding, Ridgefield, Salem, Salisbury, Southington, Suffield, Thompson, Tolland, Torrington, Vernon, Warren, Waterbury, Waterford, Westport, Wilton—44 deaths.

And Dr. Chase of Colchester reports a marked epidemic of Typhoid in two or three Irish tenement houses in near proximity.

Dr. Goodrich of Vernon says the town has been uncommonly sickly. Intestinal diseases and Diphtheria being most prevalent, and that most, if not all the cases "have occurred in families where cleanliness has been the exception."

Dr. Douteil and Dr. Holmes report an epidemic of Dysentery in New Britain confined to one particular locality.

**C. A. LINDSLEY, M.D.,**

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, October 15, 1889.

# METEOROLOGICAL REPORT FOR THE MONTH OF SEPTEMBER, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.			PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Baro- meters.†	TEMPERATURE.			Daily Mean.	8 A. M.	8 P. M.	8 A. M.		Direction.	Vel. S. P. M.	Daily Move- ment.	Max. Velo- city.	Amount in hundredths.		S. P. M.
		Daily Mean.	8 A. M.	8 P. M.				Direction.	Vel. per h.							
1	30.32	67.0	67.6	80	81.0	NE	SE	12	2	SE	5	146	13	0	Partly Cloudy	Cloudless
2	30.26	63.3	68.0	87	85.5	SW	S	1	5	S	5	96	11	0	Cloudless	Cloudless
3	30.17	64.4	68.0	89	87.5	SW	SW	1	5	SW	5	96	12	.02	Foggy	Cloudless
4	30.18	62.0	66.2	86	85.0	E	S	2	8	S	8	106	12	0	Cloudy	Cloudless
5	30.14	67.4	70.4	89	88.5	S	S	2	8	S	8	98	9	0	Cloudy	Cloudy
6	30.09	72.0	72.4	95	94.5	S	S	9	16	S	16	136	16	.02	Cloudy	Cloudy
7	30.13	66.4	68.0	92	90.5	NE	E	11	5	NE	5	135	14	0	Partly Cloudy	Partly Cloudy
8	30.15	66.0	68.4	93	90.5	NE	NE	10	6	NE	6	104	14	0	Cloudy	Cloudy
9	30.13	64.3	68.4	88	90.5	NE	NE	18	22	NE	22	380	24	0	Cloudy	Cloudy
10	30.00	61.3	69.0	85	90.5	NE	NE	28	33	NE	33	585	33	.24	Cloudy	Sprinkling
11	29.95	61.0	67.4	85	92.5	NE	NE	18	27	NE	27	580	36	.87	Cloudy	Cloudy
12	30.01	64.0	61.0	97	94.5	NE	NE	18	10	NE	10	469	30	.54	Cloudy	Cloudy
13	30.15	64.0	66.2	95	94.5	NE	E	11	20	NE	20	292	25	1.20	Cloudy	Sprinkling
14	30.20	68.0	69.2	99	97.5	SE	S	5	8	S	8	164	13	.05	Cloudy	Cloudy
15	30.07	70.8	69.2	99	99.9	S	S	5	9	S	9	109	14	.34	Cloudy	Cloudy
16	29.86	62.4	70.8	99	99.9	W	N	11	12	W	12	271	18	.08	Sprinkling	Cloudy
17	29.97	70.8	70.8	94	89.0	W	N	11	7	N	7	151	22	.19	Partly Cloudy	Cloudless
18	29.85	64.4	53.2	84	86.0	W	W	11	7	W	7	212	19	.05	Cloudy	Cloudless
19	29.64	53.0	51.4	84	79.5	NW	W	10	2	W	2	252	24	.17	Partly Cloudy	Partly Cloudy
20	29.60	55.0	55.0	84	85.5	NW	NW	10	10	NW	10	198	24	0	Cloudless	Cloudless
21	29.63	55.2	52.4	84	85.5	NW	NW	10	2	NW	2	219	27	0	Cloudless	Cloudless
22	29.93	51.8	48.4	70	78.0	NW	NW	10	1	NW	1	161	16	0	Partly Cloudy	Cloudless
23	30.10	40.6	54.0	72	70.0	N	SE	7	3	SE	3	77	8	0	Cloudy	Cloudy
24	30.12	50.9	59.4	84	82.5	NE	NE	10	8	NE	8	171	14	.05	Sprinkling	Cloudy
25	30.06	50.2	61.7	84	89.5	NE	NW	3	14	NW	4	147	17	.04	Cloudy	Cloudless
26	29.57	63.0	60.0	71	72.5	NW	NW	3	17	NW	3	192	21	.02	Partly Cloudy	Cloudless
27	30.10	51.8	50.0	71	69.0	NW	W	6	17	W	6	178	17	0	Cloudy	Cloudless
28	30.15	49.8	58.1	69	69.0	NW	SW	6	6	SW	6	158	15	0	Partly Cloudy	Cloudless
29	30.24	52.0	57.8	74	77.0	NW	S	6	15	S	15	273	24	.19	Cloudy	Cloudless
30	30.08	61.8	63.0	87	88.0	SW	S	6	15	S	15	273	24	.19	Cloudy	Cloudy
Monthly Average	30.045	61.1	62.5	86.6	86.8	NE	S	8.9	8.4	S	8.4	29.2	18.0	4.98	Total.	4.98

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COM. RAINFALL.	
	Monthly Mean.	Monthly range.	Prevailing direction.	Max. hourly velocity.	Total number of days on which precipitation occurred.	*Greatest 24 hour precipitation (in. and toots).	COM. RAINFALL. (Inches and toots).	COM. RAINFALL. (Inches and toots).
Monthly Mean, 30.045 inches.	61.1	50.2 to 70.8	N E.	91.	17.	1.40	1873--62.4 deg.	1873--2.12 1883--2.43
Highest, 30.32 in.; Date, 1st.	68.4	72.4	Mean hourly velocity, 9.1.	91.	17.	1.40	1874--61.9	1874--4.07 1884--1.41
Lowest, 29.43 in.; Date, 21st.	49.8	51.8	Max. hourly velocity and direction, 36 miles N E. Date, 11th.	91.	17.	1.40	1875--62.3	1875--2.10 1885--0.77
Monthly range, .891.	61.8 to 63.0	50.2 to 70.8	Total monthly movement, 6,577 miles.	6,577 miles.	17.	1.40	1876--61.6	1876--5.34 1886--2.35
			Daily range, 5 deg.;	5 deg.	17.	1.40	1877--61.6	1877--1.13 1887--2.21
			Mean daily range, 13.7 degrees	13.7 degrees	17.	1.40	1878--59.7	1878--7.6 1888--7.68
			Total excess or deficiency since Jan. 1 = + 188 degrees.	+ 188 degrees.	17.	1.40	1879--63.1	1879--2.13 1889--4.98
					17.	1.40	1880--63.1	1880--3.73
					17.	1.40	1881--69.6	1881--1.45
					17.	1.40	1882--64.5	1882--13.43

Monthly mean humidity, 87 per cent. Monthly mean dew point, 57.6. Number of cloudless days, 7. Number of partly cloudy days, 8. Number of cloudy days, 15.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of the barometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF OCTOBER, 1889.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of October, 1889.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.....	10,300	13	15.1	4	30.7	---	---	---	2	1	---	---	---	---	---	---	---	---	2	3	5	5	6	1	2	---	
Bridgeport.....	49,000	91	21.3	33	36.2	---	2	---	9	1	---	---	4	1	---	---	2	1	13	5	5	6	5	29	8	---	
Bristol.....	7,000	7	12	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	
Danbury.....	19,000	23	---	4	17.4	---	---	---	2	---	---	---	3	---	---	---	1	---	3	1	1	1	1	2	1	---	
Derby.....	7,250	11	18.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Enfield.....	8,000	11	16.5	2	18.1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Greenwich.....	9,000	16	21.3	2	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Groton.....	5,300	5	11.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford.....	52,000	91	16.4	28	30.7	---	---	---	10	2	---	---	7	---	---	---	---	13	8	3	10	5	2	29	4	---	
Killingly.....	8,000	10	15	4	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester.....	7,200	7	11.6	1	11.2	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Meriden.....	25,500	34	16	8	23.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middletown.....	14,500	25	16.5	3	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Naugatuck.....	6,500	7	13	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain.....	20,000	26	15.6	4	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Haven.....	85,000	114	13.5	39	34.2	---	---	---	6	2	---	---	5	---	---	---	---	9	21	5	3	10	7	4	42	5	
New London.....	14,000	17	14.5	3	17.6	---	---	---	---	---	---	---	---	---	---	---	---	2	1	5	3	2	1	8	2	---	
Norwalk.....	18,000	20	13.3	2	10	---	1	---	---	---	---	---	---	---	---	---	---	2	1	3	1	4	4	2	11	3	
Norwich.....	25,000	34	16.3	5	14.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Plainfield.....	5,000	2	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Putnam.....	6,800	20	35.3	6	30	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Salem.....	5,500	2	4.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford.....	5,000	5	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington.....	16,000	24	18	1	4.1	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thompson.....	7,800	10	15.3	2	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Torrington.....	5,500	10	21.8	4	40	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon.....	5,000	6	14.4	---	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford.....	10,000	17	20.4	5	29.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.....	6,000	11	22	2	18.1	---	---	---	1	2	3	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	
Winchester.....	34,000	35	12.3	8	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.....	6,300	5	9.5	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
.....	10,000	13	15.6	6	46.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of 32 above towns.....	513,450	722	16.8	178	24.6	---	6	2	51	11	---	---	30	7	9	5	26	11	112	44	26	71	55	30	226	32	
134 of less than 5,000 inhabitants.....	242,386	305	15.1	37	12.1	---	---	---	1	4	20	1	---	7	3	4	4	11	8	36	20	8	40	32	19	87	7
Total reported from 166 towns.....	755,836	1027	16.3	215	20.9	---	---	---	7	6	71	12	---	37	10	13	9	37	19	148	64	34	111	87	49	313	39
Population of towns not reporting.....	3186	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 20; in Middletown, 5; in New Haven, 18. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in October: Beacon Falls, Bethany, Chaplin, Chester, Cornwall, Coventry, East Granby, Hartland, Hebron, Lebanon, Ledyard, Lyme, Mansfield, Middlebury, Newington, Norfolk, North Canaan, Prospect, Salem, Scotland, Sherman, Trumbull, Warren, Washington, Woodbridge—25.

The Registrars of the following towns have made no report for October: East Haven, Plainville.

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Colebrook, Coventry, East Haddam, Falls Village, Glastonbury, Griswold, Guilford, Haddam, Hartford, Hebron, New Hartford, New Haven, Newtown, Norwalk, Portland, Ridgefield, Rocky Hill, Roxbury, Salem, Suffield, Westport, Wethersfield, Wilton.

There were 1027 deaths in Connecticut in the month of October; this was 13 less than in September; it was 68 more than in October 1888, and 123 more than the average number of deaths in October for the four years preceding the present.

The number of deaths in the first ten months of the year compared with the same of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
July,	1329	1188	1649	1093	1278
August,	1190	1433	1278	1208	1158
September,	1040	1032	1004	974	888
3d Quarter,	3559	3653	3921	3275	3324
Total for 9 mos.,	9352	9847	9474	8822	9491
October,	1027	959	839	969	848

In the first ten months of the year the number of deaths was 10379, being 427 less than in the corresponding months of last year, and 67 more than the average in the same months for the last four years.

The death-rate was 16.8 for the large towns; 15.1 for the small towns, and 16.3 for the whole State.

The deaths from Zymotic diseases were 221, being 21.5 per cent. of the total mortality, as against 26. in September.

The following diseases were more fatal in October than in September: Scarlet Fever, Diphtheria, Whooping Cough, Puerperal Fever, Consumption, Pneumonia and Bronchitis.

The following diseases were less fatal in October than in September: Cerebro-Spinal Fever, Typhoid Fever, Malarial Fevers and Diarrhoeas. There were no deaths in the State from Small Pox or Measles.

The general state of health in Connecticut is not much changed since the issue of the last Bulletin. Although a smaller percentage of deaths from Zymotic diseases and a slightly less total mortality indicates some improvement.

There has been an unusual prevalence of Diphtheria in several parts of the State, notably in Putnam, in South Glastonbury and in some localities in New Haven.

The outbreak at the Fairfield County Home has passed and no new cases have been reported.

Fatal effects from Acute diseases of the lungs have increased markedly in October, being as 95. to 60. in September.

Typhoid Fever has decreased since September. It has also been much less fatal throughout the State than it was in October of last year.

There have been but 37 deaths, while in 1888 there were 62 in the month.

The occurrence of the disease in some of the students of Yale University has been widely published and the misrepresentation and exaggeration of facts has created much unnecessary alarm.

Among the 1500 persons connected with the University there have been nine cases of Typhoid Fever. This number includes one tutor. These had all been absent from New Haven during the vacation. They arrived at college on or about the beginning of the term, Sept. 19th. Several of them became ill so soon after their arrival, as to render it highly probable that they had received the infection elsewhere. And none of them were taken ill so late as to preclude the possibility of that origin of the disease.

Due consideration should be given to the fact that about 1500 persons, at an age most susceptible to the Typhoid infection, and at a season of the year when that infection is most active, assembled on or near the same day, at the same place, from every section of the country, and in many instances from places in which Typhoid fever was prevailing. These circumstances taken in connection with the well known predisposing influence of a change of residence, justifies the suggestion that most if not all the college cases may have received the germs of the disease outside of New Haven.

The sanitary condition of the College grounds and buildings has been carefully investigated by officials of both the local and State boards of health and found excellent.

The following Infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Griswold, Newtown—No deaths.

**Scarlet Fever**—Bridgeport, Danbury, New Haven, Newtown, Norwalk, Stamford, Westport—7 deaths.

**Cerebro-Spinal Fever**—East Hartford, Newtown, Pomfret, Stonington, Wallingford, Waterford—6 deaths.

**Diphtheria and Croup**—Ansonia, Branford, Bridgeport, Burlington, Colebrook, Danbury, East Hartford, Enfield, Franklin, Glastonbury, Griswold, Groton, Hartford, Meriden, New Haven, New London, Newtown, Norwalk, Norwich, Portland, Putnam, Southington, Stratford, Thompson, Voluntown, Waterbury, Winchester, Woodstock—71 deaths.

**Whooping Cough**—Ansonia, Bridgeport, East Haddam, Greenwich, Hartford, Naugatuck, New Haven, Portland, Waterbury, Windsor—12 deaths.

**Typhoid Fever**—Bristol, Coventry, Danbury, Derby, Enfield, Falls Village, Griswold, Hartford, Huntington, Killing, New Britain, New Haven, Norwalk, Orange, Redding, Salem, Stratford, Thompson, Torrington, Vernon, Wallingford, Waterbury, Wilton, Windsor, Wolcott, Woodstock—37 deaths.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, November 15, 1889.

# METEOROLOGICAL REPORT FOR THE MONTH OF OCTOBER, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER. <sup>†</sup>	TEMPERATURE. <sup>†</sup>				RELATIVE HUMIDITY. <sup>‡</sup>			WIND.				Precipitation. Inches. Snow Falls.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.			
		Daily Mean.	8 A. M.	8 P. M.	Range.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.			Daily Movement.	Max. Velocity.				
									Direction.	Vel. m per h.	Direction.	Vel.							
1	29.98	58.0	59.0	58.0	62.	92	78	85.0	S	W	14	3	S	W	25	283	25	Sprinkling Cloudless	Cloudy
2	29.98	58.0	56.1	56.1	71.	72	65	66.0	N	W	24	11	N	W	27	248	27	Cloudless	Partly Cldy
3	30.11	47.2	50.2	48.	59.	77	70.5	74.5	N	W	1	6	N	W	17	177	17	Cloudless	Partly Cldy
4	30.11	56.7	59.2	58.	67.	73	67.5	70.5	N	W	7	139	N	W	19	139	19	Cloudless	Partly Cldy
5	30.14	44.0	52.9	47.	56.	76	67.5	67.5	N	E	7	186	S	E	15	186	15	Cloudless	Partly Cldy
6	29.93	52.0	51.4	51.	61.	79	67.5	67.5	N	E	7	273	N	E	20	182	20	Cloudless	Cloudy
7	29.92	47.4	46.0	49.	52.	80	85.0	85.0	N	W	13	3	N	W	20	273	20	Sprinkling Cloudless	Cloudy
8	30.02	41.3	42.8	44.	51.	83	71	77.0	N	W	4	3	N	W	17	162	17	Cloudless	Cloudy
9	30.00	42.6	52.4	49.	61.	74	54	64.0	N	W	7	11	N	W	19	190	19	Cloudless	Partly Cldy
10	29.92	43.0	47.0	52.	58.	75	66	72.5	N	W	5	10	N	W	18	171	18	Cloudless	Partly Cldy
11	30.00	45.1	51.3	50.	60.	78	62	70.0	N	W	4	10	N	W	14	205	14	Cloudless	Partly Cldy
12	30.00	45.1	52.8	52.	62.	80	75	81.5	N	E	21	20	N	E	26	392	26	Cloudy	Cloudy
13	30.07	40.0	45.3	44.	48.	80	78	79.5	N	E	10	23	N	E	35	509	35	Cloudless	Cloudy
14	29.92	41.0	43.8	44.	48.	80	75	79.5	N	E	20	23	N	E	20	507	20	Cloudless	Partly Cldy
15	29.92	38.2	53.0	52.	61.	81	56	47	51.5	N	19	9	N	E	15	582	15	Cloudless	Cloudless
16	30.16	44.2	46.0	50.	59.	40	59	59.0	59.0	N	5	4	N	E	0	132	4	Cloudless	Cloudless
17	30.10	42.2	48.4	52.	61.	44	55	65.0	65.0	W	5	12	N	E	15	140	15	Cloudless	Cloudless
18	30.10	41.8	57.0	46.	61.	32	29	75	83.0	N	5	12	N	E	14	147	14	Cloudless	Cloudless
19	30.15	41.8	57.0	46.	61.	32	29	75	83.0	N	5	12	N	E	14	147	14	Cloudless	Cloudless
20	29.98	55.0	58.9	58.	68.	47.	21.	90	92	N	5	13	N	E	13	151	13	Cloudless	Partly Cldy
21	30.19	40.7	41.0	42.	44.	39.	5.	87	78	N	12	19	N	E	16	244	19	Cloudless	Partly Cldy
22	30.33	37.2	46.0	42.	53.	32.	21.	74	58	N	12	12	N	E	12	244	12	Cloudless	Partly Cldy
23	30.43	35.2	44.0	38.	44.	34.	17.	63	74	N	18	21	N	E	14	281	18	Cloudy	Cloudy
24	30.30	36.0	40.0	38.	47.	32.	19.	68	78	N	13	22	N	E	11	326	22	Cloudy	Cloudy
25	30.02	39.2	40.0	43.	54.	32.	22.	78	85	N	12	18	N	E	6	179	18	Cloudy	Cloudy
26	30.05	40.3	51.1	48.	55.	42.	11.	85	92	N	4	8	N	E	2	97	8	Cloudy	Cloudy
27	29.92	55.5	55.5	53.	59.	47.	12.	94	82	N	16	25	N	E	23	323	25	Cloudy	Cloudy
28	29.74	53.8	56.0	58.	61.	53.	6.	82	88.5	S	12	16	N	W	6	246	16	Cloudy	Cloudy
29	30.16	44.1	46.0	47.	50.	42.	8.	78	82	N	8	9	N	W	21	240	9	Cloudy	Cloudy
30	30.16	44.3	46.0	47.	50.	42.	8.	76	80.0	N	5	4	N	W	11	137	11	Cloudy	Cloudy
31	30.14	43.3	46.0	46.	50.	42.	8.	83	93	N	5	3	S	E	7	92	7	Cloudy	Cloudy
Month	29.980	45.0	48.0	56.2	41.3	15.0	78.0	76.0	N E	9.8	N E	7.6	N E	N E	7.6	222.6	19.2	Partly Cloudy	Partly Cloudy

\*T Indicates trace of Precipitation.

## SUMMARY.

Barometer.	WIND.	TEMPERATURE.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
		Monthly Mean.	Daily Mean.	Monthly Mean.	Daily Mean.	Monthly Mean.	Daily Mean.	Monthly Mean.	Daily Mean.
Monthly Mean, 30.040 inches. Highest, 30.430 in.; Date, 23d. Lowest, 29.539 in.; Date, 1st.	Prevailing direction, N. E. Mean hourly velocity, 9.4. Max. hourly velocity and direction, 40 miles N. E. Date, 15th. Total monthly movement, 6,902 miles.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Total number of days on which precipitation occurred, 14. *Greatest 24 hour precipitation (in. and tenths), 1.06; Date, 1876-50.5 6 & 7; Total monthly precipitation (in. and tenths), 3.96 Total depth of snow fall (inches and tenths), 0. Dates of Thun. Storms, 1, 12. Total excess or deficiency of precipitation since Jan. 1 = +7.66 in.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.	Monthly Mean, 43.8 degrees. Highest, 42 deg.; Date, 1st. Lowest, 28 deg.; Date, 23d. Absolute range, degrees. Greatest daily range, 29 deg.; Date, 19th. Least daily range, 5 deg.; Date, 21st.

Monthly mean humidity, 76.9 per cent. Monthly mean dew point, 40.1. Number of clear days, 4. Number of fair days, 12. Number of cloudy days, 15. Dates of frosts, 2, 5, 8, 9, 11, 17, 19, 22. NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet. ‡ Elevation of rain and snow gauges, 109 feet. § A minus sign (—) prefixed to figures indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A † in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

## STATE BOARD OF HEALTH

FOR THE

MONTH OF NOVEMBER, 1889.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of November, 1889.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.	10,300	10	11.9	1	10.									2			1		2	1	1		1	5		
Bridgeport.	49,000	69	15.6	24	34.7					5	2			2			1		12	5	3	8	4	3	24	3
Bristol.	7,000	12	20.5	5	41.6												1		1	1	1	1	1	4	9	
Danbury.	19,000	21	13.2	5	23.8					1			4		2			1	1	1	3	1	1	1	2	
Derby.	7,250	10	16.5																2	1			1	1	1	
Enfield.	8,000	11	16.5	5	45.4					3									2	1			1	1	1	
Greenwich.	9,000	15	20.	1	6.6					1									1	1			1	1	1	
Groton.	5,300	7	15.8	1	14.2														1	1			1	1	1	
Hartford.	52,000	65	12.9	24	36.9					1			3	1			1	1	4	2	2	8	4	5	27	1
Killingly.	8,000	7	10.5	3	42.8					1									3						2	
Manchester.	7,200	7	11.6	1	14.2					2									3						2	
Meriden.	25,500	32	15.	14	43.7					9								2		1					2	
Middletown.	14,500	23	9.9	1	4.3													1	5	4	1	3	1	1	2	
New Britain.	6,500	10	13.4	8	36.3					2									1	1					2	
New Britain.	20,000	22	13.2	8	36.3					15			2					3	14	6	3	11	6	7	30	7
New Britain.	85,000	105	13.1	33	31.4					2			2					1	1	2	2	1			0	
New London.	14,000	16	13.7	6	37.5					1								1	1	1	2	2	1	1	6	
Norwalk.	18,000	18	8.7	7	38.8					1								1	1	1	6	1	1	1	1	
Norwich.	25,000	18	9.6	2	50.													1	1	1	1	1	1	1	1	
Plainfield.	8,500	4	9.6	2	50.													1	1	1	1	1	1	1	1	
Punam.	8,500	12	21.1	6	50.					2								3		1					2	
Southington.	5,500	6	13.6	2	33.3													1	1	5	2				1	
Stafford.	5,500	4	9.6															1	1	5	2				1	
Stamford.	15,000	22	16.5	8	36.3					1								1	3	2	1	1			8	
Stonington.	7,800	12	18.1	2	16.6					4								1	3	2	1	1			7	
Thompson.	2,800	12	26.1	3	25.					1									3	2	1		2	1	3	
Torrington.	5,000	5	12.	2															3	2	1		2	3	3	
Vernon.	10,000	7	8.4	1	14.2					1								2	1	1	1	1	1	1	1	
Wallingford.	6,000	0																	2	1						
Waterbury.	34,000	37	13.	10	27.					3			2				1	1	4	2	3	3	2	16	5	
Winchester.	6,300	9	17.1	2	22.2					1								1	1	1	1	1		3	1	
Windham.	10,000	6	7.2	1	16.6														1	1	1					
Total of the 32 above towns.	513,450	612	14.3	180	29.4														86	40	20	65	36	32	212	32
136 of less than 5,000 inhabitants.	545,572	284	13.8	30	10.6														35	18	8	41	27	12	96	8
Total reported from 168 towns.	759,022	896	14.1	218	24.2														121	58	28	106	63	44	368	40
Population of towns not reporting.																										

The Mortality in Public Institutions of the State were: in Bridgeport, 5; in Hartford, 9; in Middletown, 11; in New Haven, 12. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in November: Ashford, Bethany, Bloomfield, Bolton, Bozrah, Brookfield, Cornwall, Coventry, Ellington, Goshen, Hampton, Kent, Ledyard, Madison, Marlborough, Middlebury, Middlefield, Newington, North Canaan, North Branford, North Canaan, Norfolk, Oxford, Prospect, Salem, Somers, Southbury, Sterling, Tolland, Trumbull, Wallingford, Warren, Washington, Wolcott—34.

The Registrars of all the towns have reported for November.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 26 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Avon, Bridgeport, Brooklyn, Colebrook, Coventry, East Haddam, Falls Village, Greenwich, Griswold, Guilford, Haddam, Hebron, New Hartford, New Haven, Newtown, Norwalk, Portland, Ridgefield, Rocky Hill, Salem, Stamford, Suffield, Westport, Wethersfield, Wilton.

There were 896 deaths in Connecticut in the month of November; this was 131 less than in October; it was 46 more than in November, 1888, and 36 more than the average number of deaths in November for the four years preceding the present.

The number of deaths in the first eleven months of the year compared with the same of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	887	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1056	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
July,	1329	1188	1649	1093	1278
August,	1190	1433	1278	1208	1158
September,	1040	1032	1004	974	888
3d Quarter,	3559	3653	3921	3275	3324
Total for 9 mos.,	9352	9847	9474	8822	9491
October,	1027	959	839	909	848
November,	896	850	870	879	843

In the first eleven months of the year the number of deaths was 11275, being 381 less than in the corresponding months of last year, and 103 more than the average in the same months for the last four years.

The death rate was 14.3 for the large towns; 13.8 for the small towns; and 14.1 for the whole State.

The deaths from zymotic diseases were 168, being 18.7 per cent. of the total mortality, as against 21.5 in October.

The following diseases were more fatal in November than in October: Scarlet Fever, Cerebro-Spinal Fever, Diphtheria and Erysipelas.

The following diseases were less fatal in November than in October: Whooping Cough, Typhoid Fever, Malarial Fevers and Diarrhoeas.

There were no deaths in the State from Small Pox or Measles.

It is remarkable that in the town of Wallingford, with its 6000 inhabitants, no death from any cause occurred during the month.

The following Infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Norwalk—no deaths.

**Scarlet Fever**—Greenwich, Naugatuck, New Haven, Newtown, Norwalk, Norwich, Stamford, Stratford—8 deaths.

**Cerebro-Spinal Fever**—Burlington, East Haddam, Griswold, Hartford, Killingly, Milford, Norwalk, Norwich, Putnam, Simsbury, Stamford, Thompson, Winchester—13 deaths.

**Diphtheria and Croup**—Avon, Berlin, Branford, Bridgeport, Brooklyn, Canton, Colebrook, Darien, Derby, East Hartford, Enfield, Glastonbury, Greenwich, Griswold, Guilford, Hartford, Manchester, Meriden, New Britain, New Hartford, New Haven, New London, Newtown, Portland, Putnam, Stamford, Vernon, Voluntown, Waterbury, Winchester—77 deaths.

**Whooping Cough**—Bridgeport, East Haddam, Killingly, Newtown, North Stonington, Orange—5 deaths.

**Typhoid Fever**—Brooklyn, Canaan, Danbury, Farmington, Franklin, Griswold, Hartford, Killingly, New Britain, New Canaan, New Haven, New London, Old Lyme, Seymour, Thomaston, Waterbury, Westport, Wilton, Windsor, Windsor Locks—26 deaths.

No severe epidemics have been reported during the month. Diphtheria has however maintained its prominence as a fatal disease, exceeding in its lethal results all other causes except Pulmonary Consumption. Its victims numbered 77 in November against 71 in the previous month. Among the cities it has appeared more frequently in Hartford, New Haven, Meriden and Bridgeport, and among the smaller towns, Griswold, Colebrook, Voluntown and Winsted. In proportion to the number of cases reported however the mortality has been small.

Cerebro-Spinal Fever has doubled its victims as compared with October.

On the other hand Typhoid Fever caused only 26 deaths against 37 in October, Acute Diseases of the Lungs 86 against 98 in October, Consumption 121 against 148 in October, and Diseases of the Heart 63 against 87 in October.

The total mortality for the month was less than in any month since January. The percentage of Zymotic Diseases was less, and the general health of the State has been somewhat better than the average.

There is no doubt however that a large percentage of the deaths from Diphtheria, Scarlet Fever, Typhoid Fever, and the other preventable diseases have occurred from the inefficiency of health boards, and the general neglect of those precautions which are now so well known as competent to control and limit the spread of these infectious maladies.

In the Bulletin for October it was stated that several cases of Typhoid Fever had occurred among the students of Yale. Diligent enquiry has determined that there were just nine cases in all, as then reported. Of these, four have been fatal.

Since then no other members of the University have taken the fever.

The fact that all the cases occurred soon after the beginning of the college term, and when they had recently returned from the long vacation, and that no new case has occurred since about the middle of October, adds much strength to the opinion expressed in that issue, that most, if not all of them, received the infection elsewhere than in New Haven.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, December 15, 1889.

## AN OPINION OF THE NEW HAVEN PRESS.

Probably New Haven is the only city in the civilized world where it is openly advocated in the public press, that filth is not a cause of disease; that on the other hand, it is wholesome, and that the "germ theory" of zymotic disease is utterly a delusion, and public sanitation a folly, if not worse. Yet some of the newspapers of that city have published this by columns within the year.—*Sanitarian*, for November, 1889.



# METEOROLOGICAL REPORT FOR THE MONTH OF NOVEMBER, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†			RELATIVE HUMIDITY.‡			WIND.			Daily Movement.	Max. Velocity.	Precipitation.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.			
	Daily Mean.	Baro-Meter.†		8 A. M.	8 P. M.	Daily Mean.	8 A. M.	Direction.	Vel. m. per h.				Direction.	8 P. M.		Vel.	8 A. M.	P. M.
		Maximum.	Minimum.															
1	30.30	47.0	51.6	52.1	58	45	13	93	90	91.5	N E	8	W	2	107	.13	Cloudless	Partly Cl'dy
2	30.20	50.7	56.0	52.7	57	47	10	86	96	96.0	E	18	N E	8	154	.05	Lt. Rain	Cloudy
3	30.15	51.0	56.2	56	52	50	12	89	84.5	84.5	S	18	N	8	286	.25	Cloud	Cloudy
4	29.90	45.2	49.6	49	58	44	18	71	53	62.0	N W	5	W	6	166	.14	Cloudless	Partly Cl'dy
5	30.20	41.0	39.6	41	44	38	6	62	62	62.0	W	2	W	4	144	.0	Partly Cl'dy	Partly Cl'dy
6	30.24	35.7	41.6	41	48	34	14	64	58	61.0	S W	13	S	7	161	.0	Cloudless	Cloudless
7	30.19	39.0	40.5	45	45	36	14	58	51	54.5	N W	4	S W	7	224	.19	Cloud	Cloudless
8	30.19	47.3	48.6	48	52	45	7	58	85	71.5	N W	4	N	5	93	.1	Sprinkling	Cloudy
9	29.97	51.8	53.1	55	47	43	8	68	97	97.5	N E	17	N E	5	125	1.61	Heavy Rain	Partly Cl'dy
10	29.98	46.0	43.0	45	47	43	4	86	83	84.5	N E	2	S	3	73	.10	Sprinkling	Cloudy
11	30.17	37.3	48.8	41	49	33	16	86	83	86.0	N E	2	S	3	271	.01	Cloudy	Cloudless
12	30.20	46.2	48.0	52	58	46	12	92	93	92.5	N E	7	N E	12	89	.01	Cloudy	Cloudless
13	29.80	48.4	52.0	48	52	44	8	99	100	99.5	N E	7	N E	12	210	.23	Cloud	Cloudless
14	29.78	51.0	50.8	56	63	48	15	88	58	73.0	N E	8	W	14	259	.24	Cloudless	Cloudless
15	30.16	42.3	29.0	36	43	29	14	73	68	70.5	N W	4	N W	15	285	.12	Cloudless	Cloudless
16	30.62	23.7	29.0	28	30	21	15	67	67	67.0	N W	4	N W	5	164	.18	Cloudless	Cloudless
17	30.48	25.0	37.8	32	45	20	25	74	60	67.0	N E	3	W	5	110	.8	Cloudless	Cloudless
18	30.24	35.9	44.2	41	45	37	8	82	91	86.5	N E	12	N E	16	228	.18	Cloudy	Cloudy
19	29.90	46.1	51.0	49	56	42	14	92	98	95.0	N E	16	N E	23	380	.86	Lt. Rain	Partly Cl'dy
20	29.71	48.0	45.2	48	52	45	7	97	97	97.0	S E	8	S	18	248	.21	Lt. Rain	Partly Cl'dy
21	29.63	41.1	47.4	45	50	40	10	88	97	97.5	S W	4	E	7	163	.35	Cloudless	Cloudy
22	29.41	46.0	49.0	48	52	44	8	91	88	89.5	N	2	S W	5	176	.16	Cloudy	Cloudy
23	29.86	45.7	45.8	48	53	44	10	73	68	70.5	N	2	S W	27	227	.01	Partly Cl'dy	Partly Cl'dy
24	30.21	40.4	47.0	44	50	38	12	74	87	80.5	W	7	S W	19	179	.19	Cloudy	Cloudy
25	30.26	42.1	38.0	42	46	38	8	92	75	83.5	W	3	N	16	184	.06	Lt. Rain	Cloudless
26	30.60	31.1	34.0	35	42	30	14	75	64	71.0	N	0	N	4	134	.22	Cloudless	Cloudless
27	30.34	35.3	43.9	37	44	30	14	89	97	93.0	N E	10	N E	11	253	.50	Heavy Rain	Cloudless
28	29.61	54.0	41.0	48	55	41	14	96	68	82.0	S	8	S W	8	318	.20	Lt. Rain	Partly Cl'dy
29	29.88	35.0	31.1	35	39	31	8	71	60	65.5	W	8	N	11	238	.0	Cloudless	Partly Cl'dy
30	30.27	29.2	28	32	30	27	9	66	56	61.0	W	13	N W	4	238	.0	Cloudy	Cloudless
31	30.47	42.5	44.0	44.2	50.0	38.3	11.7	81.8	77.4	76.9	W	6.9	W	7.5	106.6	Total, 7.78		

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.		TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL (Inches and tenths.)	
Monthly Mean, 30.078 inches.		Monthly Mean, 44.2 degrees.		Prevailing direction, West		Total number of days on which precipitation occurred, 18.		1889--42.1 deg.		1873--33.1 deg.	
Highest, 30.654 in.; Date, 16th.		Highest, 53 deg.; Date, 14th.		Mean hourly velocity, 8.2		*Greatest 24 hour precipitation, 1.84--47.5		1889--40.9		1873--42.1 deg.	
Lowest, 29.370 in.; Date, 22d.		Lowest, 20 deg.; Date, 17th.		Max. hourly velocity, and direction, 31 miles S. E. Date, 23th		28.823; Total monthly precipitation (in. and tenths), 7.78		1889--42.1		1873--42.1 deg.	
Monthly range, 1.284.		Greatest daily range, 25 deg.; Date, 17th.		Total monthly movement, 5.897 miles.		Total depth of snow fall (inches and tenths), 0.		1889--40.9		1873--42.1 deg.	
		Least daily range, 4 deg.; Date, 10th.				Dates of Thun. Storms, none.		1889--44.2		1873--42.1 deg.	
		Mean daily range, 11.7 degrees.				Total excess or deficiency of precipitation since Jan. 1 = + 11.48 in.		1889--44.2		1873--42.1 deg.	
		Total excess or deficiency since Jan. 1 = + 14.8 degrees.						1889--44.2		1873--42.1 deg.	

Monthly mean humidity, 79.6 per cent. Monthly mean dew point, 36.8. Number of cloudless days, 9. Number of partly cloudy days, 14. NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



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And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of December, 1889.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,300	12	14	5	41.6	---	---	---	2	3	---	1	1	---	---	---	---	---	3	1	1	---	1	---	1	1
Bridgeport.....	49,000	58	13.5	27	32.5	---	---	2	---	9	1	---	1	3	---	---	2	---	9	12	1	10	2	3	27	5
Bristol.....	7,000	8	13.7	4	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	19,000	10	12.0	---	---	---	---	---	---	2	---	---	---	---	---	---	---	1	---	7	1	1	2	1	4	2
Derby.....	7,250	6	9.9	3	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	8,000	13	19.5	3	23.0	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	9,000	17	22.6	7	41.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,300	13	24.4	1	7.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	52,000	82	15.4	15	18.3	---	---	1	11	---	1	---	---	2	---	---	---	---	14	5	3	11	7	5	22	1
Killingly.....	8,000	7	10.5	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	7,200	8	13.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	25,500	31	14.6	4	12.9	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middlebury.....	14,500	21	9.2	4	19.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	6,500	6	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	20,000	26	15.6	3	11.5	---	---	1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	85,000	118	15.5	28	23.7	---	---	---	11	2	---	---	2	---	---	---	---	---	---	13	17	8	17	10	7	28
Norfolk.....	14,000	14	12.7	7	50.0	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	18,000	15	10.4	4	26.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Plainfield.....	25,000	16	7.6	2	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam.....	5,000	3	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	6,800	5	8.8	1	20.0	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stafford.....	5,500	7	15.2	3	42.8	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	5,000	3	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	16,000	17	12.5	3	17.6	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	7,800	9	13.8	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	5,500	8	17.4	5	62.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	5,000	8	19.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	10,000	10	12.0	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	6,000	12	24.0	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	34,000	38	13.4	16	42.1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	6,300	3	5.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,000	12	14.4	3	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 32 above towns.....	513,450	650	15.1	155	23.8	---	---	3	7	58	5	---	7	8	4	3	6	5	87	70	28	87	50	27	195	40
136 of less than 5,000 inhabitants.....	245,572	293	14.5	31	10.4	---	---	3	4	16	1	---	2	1	3	1	5	5	38	42	9	30	39	9	90	7
Total reported from 168 towns.....	759,022	948	15.0	186	20.0	---	---	6	11	74	6	---	9	9	7	4	11	10	125	112	37	117	89	36	285	47
Population of towns not reporting.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 7; in Hartford, 15; in Middletown, 9; and in New Haven, 8. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in December: Beacon Falls, Bethlehem, Bolton, Bridgewater, Cheshire, Columbia, Durham, East Haven, Franklin, Goshen, Kent, Killingworth, Lebanon, Ledyard, Lisbon, Lyme, Middlefield, Newington, Oxford, Prospect, Suffield, Weston, Wolcott, Woodbury—24.

The Registrars of all the towns have reported for December.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 30 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Avon, Bloomfield, New Britain, Rocky Hill, Suffield, Wethersfield, and Windsor Locks in Hartford County. New Haven and Guilford in New Haven County. Griswold, Jewett City, Norwich and Salem in New London County. Brookfield, Greenwich, Newtown, Ridgefield, Wilton and Westport in Fairfield County. Ashford and Brooklyn in Windham County. Falls Village, New Hartford and Riverton in Litchfield County. Chatham, East Haddam, Haddam, and Westbrook in Middlesex County. Coventry and Hebron in Tolland County.

The mortality statement for December has been received from every town in the State. There were 948 deaths during the month. This was 52 more than in November, it was 2 less than in December, 1888, and 48 more than the average number of deaths in December for the four years preceding the present.

The number of deaths in the 12 months of the year compared with the same of each of the four years preceding was as follows:

	1889	1888	1887	1886	1885
January,	892	1015	918	881	946
February,	922	1097	858	853	989
March,	1049	1170	1043	1060	1224
1st Quarter,	2863	3282	2819	2794	3159
April,	1073	1116	1011	1050	1175
May,	932	983	906	883	999
June,	925	813	817	814	834
2d Quarter,	2930	2912	2734	2753	3008
July,	1329	1188	1649	1093	1278
August,	1190	1433	1278	1208	1158
September,	1040	1032	1004	974	888
3d Quarter,	3559	3616	3931	3275	3324
October,	1027	959	839	969	848
November,	896	850	791	879	843
December,	948	950	870	941	842
4th Quarter,	2871	2759	2500	2789	2533
Total for 12 mos.,	12223	12569	11984	11611	12024

In the 12 months of the year the number of deaths reported was 12,223, being 346 less than in the corresponding months of last year, and 176 more than the average in the same months in the last four years.

The death rate was 15.1 for the large towns; 14.5 for the small towns; and 15, for the whole State.

The deaths from Zymotic Diseases were 147, being 15.5 per cent. of the total mortality as against 18.7 in November.

The following diseases were more fatal in December than in November: Whooping Cough, Malarial Fevers, Consumption, Pneumonia and Bronchitis.

The following diseases were less fatal in December than in November: Scarlet Fever, Cerebro-spinal Fever, Diphtheria and Croup, Typhoid fever.

The following infectious diseases were reported to this office as occurring in the towns mentioned.

**Small Pox**—Windsor Locks, 2 cases, 1 death.

**Measles**—No cases have been reported as occurring during the month.

**Scarlet Fever**—Bridgeport, Chatham, Glasgow, Griswold, Haddam, New Britain, New Hartford, New Haven, Plainville—6 deaths.

**Cerebro Spinal Fever**—Ansonia, Chatham, Fairfield, Hartford, Huntington, Putnam, Sherman, Stamford, Stonington, Thompson, Woodstock—11 deaths.

**Diphtheria and Croup**—Ansonia, Avon, Bloomfield, Bridgeport, Canaan, Chatham, Colebrook, Danbury, East Haddam, East Hartford, Enfield, Greenwich, Griswold, Hartford, Hebron, Meriden, New Britain, New Haven, New London, Plainville, Portland, Putnam, Riverton, Southington, Stonington, Stratford, Trumbull, Wallingford, Waterbury, Westbrook, Wilton, Winchester, Woodstock—74 deaths.

**Whooping Cough**—Ashford, Bridgeport, Chaplin, Chatham, East Haddam, Groton, Manchester, New Haven, Newtown, Wethersfield—6 deaths.

**Typhoid Fever**—Ansonia, Bridgeport, Brooklyn, Chatham, Coventry, Haddam, New Britain, New Haven, New London, New Milford, Norwalk, Norwich, Wilton—9 deaths.

**La Grippe**—Avon, Bloomfield, Brooklyn, Chatham, Colebrook, Falls Village, Hamden, New Hartford, New Haven, Newtown, Norwich, Ridgefield, Suffield, Westport, Wethersfield, Wilton—1 death in New Haven.

**Typhus Fever**—Three cases of this now very rare disease were reported as occurring in Chatham.

A case of Hydrophobia was reported from Jewett City in November. A man was bitten by a stray dog (having a collar on indicating that he belonged in Attleboro, Mass.) on Sept. 8th. He applied to Dr. Jennings for treatment on the 23d of November having the initial symptoms of Rabies and he died on the 28th. The dog was killed in Jewett City.

In the half hour previous to the death of the mad dog he was known to have bitten 11 dogs and one cat, also pigs, cows and other animals, besides the man. The bitten dogs were all killed without delay.

Two cases of Small Pox have been reported in Windsor Locks. They were both women employed in the rag room of the Seymour Paper Mill which was without doubt the origin of the disease.

Isolation, vaccination and disinfection are being thoroughly attended to.

During the last week in the month the pandemic known as "La Grippe" appeared almost simultaneously in many parts of the State. Of the 30 sanitary correspondents in widely separated towns more than one-half mention its appearance. Since then its general prevalence in every community is too often a matter of personal experience.

Instances of the communication of infectious diseases are reported as follows: Diphtheria in Westbrook and Chatham contracted in Hartford. Scarlet fever brought to Haddam from Middletown and communicated to five other children.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, January 15, 1890.

## HOW MUCH CAN THE AVERAGE CITY OR VILLAGE AFFORD TO PAY ITS HEALTH OFFICER?

Dr. Baker of the State Board of Health of Michigan, answers the question:—Statistics which cannot be questioned prove that in those localities in Michigan where the recommendations of the State Board of Health are carried out, about eighty per cent. of the deaths from Diphtheria and Scarlet Fever are prevented by the thorough isolation of all infected persons and the thorough disinfection of all infected persons, things and places. Statisticians usually value a person in the prime of life as worth to the community about \$1000. Dr. Baker thinks that in a village of fifteen hundred inhabitants, a health officer can easily save the lives of two children and one grown person in each year, and he concludes that such a village can well afford to pay its health officer two thousand dollars for the prevention and restriction of Scarlet Fever, Diphtheria and Typhoid Fever, and make money by the transaction.

# METEOROLOGICAL REPORT FOR THE MONTH OF DECEMBER, 1889.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERGT SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION. Inches and tenths.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.		Max. Veloc- ity.		Daily Move- ment.		
							Dirac- tion.	Vel. per h.	Dirac- tion.	Vel.					
1	30.16	27.0	37.0	34.	60	65	62.5	W	4	SW	7	147	13	Cloudless	Cloudless
2	30.12	36.0	43.3	42.	58	60	59.5	SW	12	SW	18	217	19	Cloudy	Partly Cl'dy
3	30.03	41.7	24.0	34.	59	75	81.5	SW	3	N	15	262	25	Cloudy	Cloudy
4	30.48	8.8	18.0	15.	67	50	59.5	N	18	N	10	337	27	Cloudy	Partly Cl'dy
5	30.24	19.7	40.7	30.	69	92	79.5	N	10	SW	12	195	16	Cloudy	Partly Cl'dy
6	30.64	36.2	32.4	38.	86	67	76.5	SW	8	SW	8	181	22	Cloudless	Cloudless
7	30.09	32.0	40.5	37.	71	75	73.0	SW	5	SE	8	158	16	Cloudy	Cloudy
8	30.16	37.2	49.5	45.	97	79	82.0	W	0	SE	8	137	14	Cloudless	Cloudless
9	30.16	53.0	50.4	55.	61	49	77	SW	7	W	4	245	24	Partly Cl'dy	Partly Cl'dy
10	30.36	37.8	42.0	42.	97	79	88.0	SW	11	N	16	159	16	Cloudy	Cloudy
11	29.92	49.8	48.4	48.	96	54	75.5	SE	5	SE	10	271	30	Cloudy	Partly Cl'dy
12	30.02	42.1	43.0	40.	62	57	65.0	W	2	NW	16	182	25	Cloudless	Cloudless
13	30.37	28.0	22.1	25.	73	62	67.5	W	15	NW	10	241	27	Cloudy	Partly Cl'dy
14	30.38	21.6	25.2	25.	89	78	78.0	N	4	N	10	309	25	Cloudy	Partly Cl'dy
15	30.28	26.2	25.2	25.	70	75	72.5	N	12	N	3	158	21	Cloudless	Cloudless
16	30.27	29.1	35.3	32.	88	95	83.5	W	2	SW	1	59	5	Cloudy	Cloudy
17	30.27	37.0	38.0	40.	88	95	91.5	N	10	N	13	108	10	Sprinkling	Sprinkling
18	30.23	37.2	39.7	38.	89	68	98.0	N	4	N	15	246	15	Cloudless	Cloudless
19	29.98	44.7	42.3	47.	55	39	78.5	N	4	N	8	130	14	Cloudy	Cloudy
20	29.89	39.0	40.0	43.	51	93	95.5	N	1	SW	3	191	12	Cloudless	Cloudless
21	30.24	41.1	36.2	43.	75	72	73.5	N	5	N	5	134	24	Cloudless	Cloudless
22	30.08	35.2	49.7	40.	67	91	79.0	N	3	N	11	196	17	Cloudy	Cloudy
23	30.39	38.3	36.3	42.	69	66	73.5	SW	10	SW	2	223	22	Cloudless	Cloudless
24	30.33	34.4	42.0	38.	69	90	82.5	W	4	W	6	154	15	Cloudless	Cloudless
25	29.90	45.0	56.5	55.	87	58	72.5	SW	8	SW	0	224	21	Cloudless	Cloudless
26	29.52	44.1	41.1	53.	96	67	78.0	N	3	N	27	354	41	Cloudy	Cloudy
27	29.83	30.4	30.2	34.	56	60	61.5	SW	3	N	0	241	25	Cloudless	Cloudless
28	30.04	30.7	35.7	36.	73	71	73.0	N	2	N	5	101	12	Cloudless	Cloudless
29	30.08	31.4	52.0	40.	75	96	81.5	N	4	N	8	144	13	Cloudy	Cloudy
30	30.32	47.2	31.1	42.	58	79	63.5	N	16	N	10	319	26	Cloudy	Cloudy
31	30.82	21.3	24.6	26.	57	70	63.5	N	5	N	7	206	10	Cloudless	Cloudless
Month	30.158	35.3	38.6	38.9	75.7	76.2	76.0	W	6.6	N	8.1	200.9	20.9	Total.	2.02

\* T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
Monthly Mean, 38.8 degrees. Highest, 68 deg.; Date, 25th. Lowest, 8 deg.; Date, 4th. Absolute range, 60 degrees. Greatest daily range, 26 deg.; Date, 25th. Least daily range, 5 deg.; Date, 18th. Mean daily range, 16.7 degrees. Total excess or deficiency since Jan. 1 = + 354 degrees.	Monthly Mean, 38.8 degrees. Highest, 68 deg.; Date, 25th. Lowest, 8 deg.; Date, 4th. Absolute range, 60 degrees. Greatest daily range, 26 deg.; Date, 25th. Least daily range, 5 deg.; Date, 18th. Mean daily range, 16.7 degrees. Total excess or deficiency since Jan. 1 = + 354 degrees.	Prevailing direction, Northwest Mean hourly velocity, 7.1. Max. hourly velocity and direc- tion, 41 miles N.W. Date, 26th. Total monthly movement, 6,229 miles.	Total number of days on which precipitation occurred, 17. *Greatest 24 hour precipitation, (inches and tenths), .97. S. 8. 9. Total monthly precipi- tation (inches and tenths), 2.62 Total depth of snow fall (inches and tenths), 4.2. Dates of Thun. Storms, none. Total excess or deficiency of pre- cipitation since Jan. 1 = + 10.53 in.	1873...32.3 deg. 1874...34.2 1875...31.9 1876...24.3 1877...38.0 1878...33.8 1879...35.6 1880...27.6 1881...37.6 1882...29.0	1873...4.41 1874...1.85 1875...4.39 1876...2.47 1877...4.46 1878...5.50 1879...4.41 1880...3.49 1881...4.75 1882...2.99

Monthly mean humidity, 76.0 per cent. Monthly mean dew point, 29.6. Number of cloudless days, 13. Number of cloudy days, 10.  
 NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet;  
 Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and the resulting amount of  
 water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JANUARY 1890.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1890.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.....	10,300	28	32.6	7	25	4	---	---	---	1	---	---	---	---	---	---	---	---	---	5	3	2	2	1	1	9	2
Bridgeport.....	49,000	114	23	23	24.2	8	---	---	---	6	2	---	1	2	---	---	1	1	13	33	5	8	2	1	24	8	
Bristol.....	7,000	23	39.4	6	26.8	---	---	1	---	---	---	---	---	---	---	---	---	---	6	7	1	2	3	---	---	1	
Danbury.....	19,000	33	20.8	5	15.1	---	---	---	---	---	---	---	4	---	---	---	---	---	7	8	2	7	3	1	3	---	
Derby.....	7,250	12	19.8	3	25	---	---	1	---	---	---	---	---	---	---	---	---	---	1	2	3	2	2	---	---	2	
Esfield.....	8,000	23	34.5	8	34.5	---	---	---	---	2	---	---	1	---	---	---	---	---	5	4	4	3	2	---	---	11	
Greenwich.....	9,000	15	20	1	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	1	7	3	2	2	---	---	2	
Groton.....	5,300	11	24.9	1	9	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	
Hartford.....	52,000	178	34.8	31	19.1	---	---	1	10	2	2	2	4	1	---	---	1	16	40	15	9	16	3	58	4		
Killingly.....	8,000	11	21	4	28.2	---	---	---	---	1	---	---	---	---	---	---	---	---	1	2	1	2	1	1	4	---	
Manchester.....	7,200	20	33.3	3	18	---	---	---	---	---	---	---	---	---	---	---	---	---	6	13	2	5	1	7	---	---	
Meriden.....	25,500	45	21.1	14	31.1	---	---	---	8	---	---	---	3	---	---	---	---	---	6	13	2	5	1	3	9	---	
Middletown.....	14,500	25	14.8	2	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	8	3	5	2	---	---	2	
Naugatuck.....	6,500	23	42.4	4	17.3	3	---	---	---	---	---	---	1	---	---	---	---	---	3	17	6	5	3	---	---	12	
New Britain.....	20,000	46	27.6	6	13	---	---	---	---	---	---	---	---	---	---	---	---	---	32	75	17	24	13	4	16	1	
New Haven.....	85,000	225	30.6	50	23	---	---	1	1	9	5	---	1	3	---	---	---	---	9	3	3	5	2	---	---	10	
New London.....	14,000	41	35.1	9	21.9	---	---	---	1	3	---	---	---	---	---	---	---	---	1	4	2	4	7	---	---	13	
Norwalk.....	18,000	39	16	---	3	---	---	---	---	1	---	---	1	---	---	---	---	---	10	4	2	4	7	---	---	18	
Norwich.....	25,000	47	22.5	8	16.8	---	---	---	1	---	---	---	---	---	---	---	---	---	2	1	2	2	1	---	---	1	
Plainfield.....	5,000	6	14.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Putnam.....	6,800	6	10.5	2	33.3	---	---	---	---	3	---	---	---	---	---	---	---	---	1	1	1	3	1	---	---	---	
Southington.....	5,500	9	19.6	4	44.4	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stafford.....	5,000	3	7.2	2	66.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford.....	16,000	25	18.7	4	8	---	---	---	---	---	---	---	2	---	---	---	---	---	2	8	3	1	3	1	5	2	
Stonington.....	7,800	14	21.5	4	28.1	---	---	2	---	1	---	---	---	---	---	---	---	---	4	3	---	---	---	---	---	---	
Thompson.....	5,500	8	18.2	2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	3	2	---	---	---	---	---	---	
Torrington.....	5,000	10	24	1	10	---	---	---	---	---	---	---	---	---	---	---	---	---	1	3	---	---	---	---	---	---	
Vernon.....	10,000	14	16.8	1	71.4	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	---	---	---	---	---	---	
Wallingford.....	6,000	12	24	1	8.3	---	---	---	---	---	---	---	1	---	---	---	---	---	1	9	23	6	1	1	2	---	
Waterbury.....	34,000	77	27.1	15	19.4	---	---	---	---	1	2	---	---	---	---	---	---	---	1	0	23	6	16	4	14	4	
Winchester.....	6,300	12	22.8	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.....	10,000	19	22.8	3	15.7	2	---	---	---	---	---	---	---	---	---	---	---	---	2	4	---	---	---	---	---	---	
Total of the 32 above towns.....	513,450	1177	27.5	177	15	22	---	7	4	48	14	2	21	6	---	---	6	5	2	148	293	78	119	97	23	282	43
133 of less than 5,000 inhabitants.....	240,722	471	23.4	50	10.7	16	3	1	2	6	19	4	1	5	2	---	1	3	1	51	103	19	40	49	19	126	10
Total reported from 165 towns.....	754,172	1618	26.2	227	13.8	38	3	1	9	10	67	18	3	26	8	---	7	8	3	199	396	97	159	146	42	408	53
Population of towns not reporting.....	4,850	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 19; in Hartford, 27; in Middletown, 7; and in New Haven, 8. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in January: Andover, Bolton, Chaplin, Eastford, Franklin, Hampton, Lyme, Morris, Sterling, Union, Warren, Weston, Wolcott—13.

The Registrars of the following towns have made no report for January: Montville, Trumbull, Woodbridge—3.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 30 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bolton, Bridgeport, Brooklyn, Colebrook, Coventry, Durham, East Haddam, East Windsor, Broadbrook, Falls Village, Greenwich, Griswold, Guilford, Haddam, Hebron, Hartford, Madison, New Britain, New Hartford, Portland, Rocky Hill, Ridgefield, Roxbury, Salem, South Windsor, Stamford, Suffield, Waterbury, Watertown, West Hartford, Westport, Wethersfield, Wilton, Windham, Windsor, Windsor Locks—36.

The mortality statement for January has been received from 165 of 165 towns in Connecticut. There were 1643 deaths in the State during the month. This was 700 more than in December, it was 756 more than in January, 1889, and 718.6 more than the average number of deaths in January for the five years preceding the present.

The number of deaths in the first month of this year compared with the same of each of the five years preceding was as follows:

	1880	1889	1888	1887	1886	1885
January,	1643	892	1015	918	881	946

The death-rate for the large towns was 27.5, for the small towns 23.4, and 26.2 for the whole State.

The deaths from Zymotic diseases were 201, being 12.2 per cent. of the total mortality against 15.5 per cent. in December.

The following diseases were more fatal in January than in December, viz: La Grippe, Small Pox, Measles, Scarlet Fever, Whooping Cough, Erysipelas, Typhoid Fever, Consumption, Pneumonia and Bronchitis.

The following diseases were less fatal in January than in the preceding month, viz: Cerebro Spinal Fever, Diphtheria and Croup, Malarial Fevers and Diarrhoeas.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Small Pox**—Windsor Locks, Woodstock, Waterbury, East Windsor, 6 cases—2 deaths.

**Measles**—Mansfield—1 death.

**Scarlet Fever**—Avon, Bridgeport, Danbury, Greenwich, Griswold, Hartford, Killingly, New Haven, Stonington, Stratford, West Hartford—9 deaths.

**Cerebro-Spinal Fever**—Glastonbury, Litchfield, New Haven, Norwalk, Orange, Plainfield, Southington, Stratford, Windsor Locks—10 deaths.

**Diphtheria and Croup**—Ansonia, Branford, Bridgeport, Canaan, Colebrook, Coventry, East Hartford, Enfield, Falls Village, Greenwich, Griswold, Haddam, Hartford, Meriden, Middlebury, New Britain, New Haven, New London, Newtown, Norwich, Orange, Portland, Putnam, Seymour, Southington, Sprague, Stamford, Thomaston, Waterbury, Westbrook, West Hartford, Winchester, Windham, Windsor—67 deaths.

**Whooping Cough**—Bridgeport, Bristol, Brooklyn, Hartford, Killingly, New Haven, Portland, Seymour, Waterbury—18 deaths.

**Typhoid Fever**—Bridgeport, Brooklyn, Danbury, Enfield, Hartford, Meriden, Middletown, Naugatuck, New Haven, New Milford, Norwalk, Norwich, Southbury, Stamford, Tolland, Wallingford, Westport, Wilton—26 deaths.

**Typhus Fever**—None. The three cases reported as occurring in Chatham in December were found on investigation to be erroneously reported. There has been no Typhus Fever in Connecticut in many months, probably not in fact in several years.

**Epidemic Influenza**—Has prevailed in every place in the State from which reports have been received. And wherever the time of invasion is mentioned, it is said to have been about the last week in December.

Such an universal and synchronous occurrence of an epidemic throughout the country, almost with the suddenness of an explosion, is utterly inconsistent with the possibility of depending upon personal contagion, particularly if any period of incubation is allowed. While its rapid spread seems incompatible with any known means of communication, every plausible theory of its extension which has been suggested involves an aerial or atmospheric medium of infection. No facts have yet been discovered from which a positive conclusion as to the special cause of the disease can be established. Nor is any precaution known by means of which the infection can be avoided, or its prevalence restricted.

Having regard for its almost universal impression, in some form, upon the public health, it is to be called a mild epidemic; that is, of the whole number affected, only a few are seriously sick and the total deaths attributed to it have numbered only 38. But regarding it from another standpoint, that is from the actual results which may fairly be attributed to it, without reference to the numbers concerned, it is the most disastrous and fatal epidemic which has afflicted Connecticut in many years. Although the fatality directly attributed to it is not large—yet the increased mortality from other diseases particularly of the lungs, presumably aggravated by this epidemic, is unprecedented. There were 396 deaths from Pneumonia in January, 97 were reported from Bronchitis and 199 from Consumption.

The total mortality during the month exceeded any previous experience in a single month in the history of the State.

Small Pox has again appeared in Connecticut after a temporary absence and has broken out in several towns in the State, with a few fatal consequences.

Possibly an occasional outbreak of this dreaded malady is not an event altogether bad in its influences. There are several ways in which by the sacrifice of a few citizens, such public action has resulted, as has doubtless preserved many other lives. Thus, the indifference to the importance of vaccination in the public mind grows so rapidly when for a short period the public are exempt from Small Pox, that the only thing which will induce a renewal of the practice is an occasional human victim of the disease.

It may therefore be well that the intervals between these sacrifices for the public good should not be too long, lest the neglect of vaccination should make so large a part of the people unprotected that when the disease did come it would find victims in every household.

Again, there is nothing known in the experience of this State, that will animate a local board of health like a case of Small Pox within its jurisdiction. Boards which have been in a state of profound hibernation through all seasons for many years, have been aroused into the most exalted activity as if by an electric shock, when a Small Pox case has been reported to them. And in some cases this recovery from general paralysis has been more or less permanent, with corresponding benefit to the communities they served. So that in the language of the bard of Avon we may say,

"Sweet are the uses of adversity;  
Which, like the toad, ugly and venomous,  
Wears yet a precious jewel in his head;  
And this our life  
Finds  
Sermons in stones, and good in everything."

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, February 15, 1890.



# METEOROLOGICAL REPORT FOR THE MONTH OF JANUARY, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN. H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.†			WIND.				PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.				
	Baro- meter †	Daily Mean.		Range.	8 A. M.		8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Movement.	Max. Velocity.	8 A. M.		8 P. M.			
		Maximum	Minimum		Direction.	Vel. m. per h.			Direction.	Vel.										
1	30.70	31.3	30.6	36.	48.	24.	24.	45.	16.	81	66	90.0	N E	8	S E	6	187	.01	Cloudy	Cloudy
2	30.33	30.4	30.6	53.	61.	16.	45.	33.	14.	68	62	65.0	N W	12	W	15	301	0	Cloudy	Cloudy
3	30.56	30.0	33.0	40.	47.	33.	40.	27.	18.	73	76	74.5	N W	4	N	6	200	0	Cloudy	Cloudless
4	30.57	24.1	33.0	31.	40.	27.	18.	96	98	96	98	97.0	S	12	S	7	133	0	Sprinkling	Cloudy
5	30.10	42.4	49.1	41.	50.	32.	18.	92	84	92	84	88.0	S W	6	S W	10	169	.10	Cloudy	Cloudy
6	29.80	50.4	50.0	34.	57.	47.	10.	92	84	92	84	88.0	N W	24	N W	20	108	.04	Cloudy	Cloudy
7	29.99	42.0	39.2	42.	46.	39.	7.	78	78	78	78	83.0	N E	3	W	3	23	.01	Cloudless	Cloudless
8	29.66	21.4	29.1	26.	30.	21.	9.	54	74	94	94	94.0	N E	24	W	20	60	.01	Cloudless	Cloudless
9	30.04	22.2	18.4	21.	24.	18.	6.	94	94	94	94	94.0	N E	18	N E	18	363	.08	Cloudy	Cloudy
10	30.23	18.1	30.3	25.	35.	15.	20.	70	85	82	82	82.0	N E	4	N	4	145	.12	Cloudy	Cloudy
11	30.13	38.7	50.2	47.	63.	27.	36.	100	42	71.0	42	63.0	S E	10	N W	30	354	.01	Cloudy	Cloudless
12	30.13	38.0	49.0	42.	63.	27.	36.	100	42	71.0	42	63.0	N	8	N	2	156	.01	Cloudy	Cloudless
13	30.64	29.4	29.1	33.	37.	29.	28.	64	62	62	62	62.0	N E	3	S W	5	121	1.33	Cloudy	Cloudy
14	30.24	30.2	43.2	35.	44.	26.	18.	97	98	97	98	97.5	N E	16	N W	17	348	.45	Cloudy	Cloudless
15	30.26	51.4	31.0	42.	54.	31.	23.	99	63	63	63	81.0	N W	4	W	13	212	0	Cloudy	Cloudless
16	30.55	19.6	27.2	24.	29.	18.	11.	69	76	72	72	72.0	N W	4	N W	2	153	0	Cloudy	Cloudless
17	30.46	29.0	35.0	32.	43.	20.	23.	76	72	72	72	72.0	N E	4	S W	2	123	0	Cloudy	Cloudless
18	30.32	26.0	40.0	34.	44.	24.	20.	71	93	82	82	82.0	N E	4	N W	1	96	0	Partly Cloudy	Cloudy
19	30.76	40.9	50.9	47.	56.	38.	18.	68	71	71	71	84.5	S W	10	N W	19	296	.20	Cloudy	Cloudy
20	29.76	46.9	50.9	47.	56.	38.	18.	68	71	71	71	84.5	N W	5	N W	2	126	.20	Cloudy	Cloudless
21	30.00	34.0	33.0	37.	41.	33.	8.	79	71	75	75	75.0	W	10	N W	2	405	.41	Cloudless	Cloudless
22	30.40	16.4	16.2	20.	26.	15.	11.	55	58	58	58	56.5	N W	4	N W	4	405	.09	Cloudy	Cloudy
23	30.34	15.2	24.8	20.	30.	10.	20.	80	72	72	72	72.0	N W	7	N	12	186	.25	Cloudy	Cloudless
24	30.22	25.3	24.8	28.	34.	23.	9.	75	80	81	81	81.5	W	1	S W	12	235	.21	Cloudy	Cloudless
25	29.95	36.0	42.4	43.	51.	35.	16.	83	68	68	68	75.5	N W	6	S W	3	237	0	Cloudy	Cloudless
26	29.89	36.0	42.4	43.	51.	35.	16.	83	68	68	68	75.5	N	7	N	8	183	.15	Cloudy	Partly Cloudy
27	30.32	26.2	44.1	34.	49.	20.	29.	59	55	57	57	57.0	N W	10	N W	2	216	.26	Cloudless	Cloudless
28	30.58	21.2	23.0	24.	28.	20.	20.	57	62	62	62	59.5	N W	4	S W	12	224	0	Cloudless	Cloudless
29	30.32	26.2	44.1	34.	49.	20.	29.	59	55	57	57	57.0	N E	3	N E	12	201	.18	Cloudy	Partly Cloudy
30	30.27	30.0	33.2	39.	45.	33.	12.	97	98	98	98	98.0	N	7	S W	4	127	.26	Cloudy	Cloudy
31	30.28	29.1	39.8	34.	40.	28.	12.	97	98	98	98	98.0	N	7	S W	4	127	.03	Cloudy	Cloudy
Total.	30.20	32.0	36.8	35.3	43.3	27.4	15.0	81.1	76.4	78.8	78.8	215.6	NW & SW	7-1	S W	8.6	232	Total	3.07	

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and toothis.)
Monthly Mean, 30.200 inches. Highest, 30.828 in.; Date, 1st. Lowest, 29.489 in.; Date, 8th. Monthly range, 1.339.	Monthly Mean, 35.4 degrees. Highest, 65 deg.; Date, 12th. Lowest, 10 deg.; Date, 23d. Absolute range, 55 degrees. Greatest daily range, 36 deg.; Date, 12th. Least daily range, 6 deg.; Date, 10th. Mean daily range, 15.9 degrees. Total excess or deficiency since Jan. 1 = + 2.44 degrees.	Prevailing direction, Southwest. Mean hourly velocity, 9.0. Max. hourly velocity and direc- tion, 60 miles N. W. Date, 9th. Total monthly movement, 6,684 miles.	Total number of days on which precipitation occurred, 19. *Greatest 24 hour precipitation, (in. and toothis), 1.69; Date, 15&16; Total monthly precip. 18.77; Total monthly precipi- tation (in. and toothis), 3.07 Total depth of snow fall (inches and toothis), 1.6. Dates of Thun. Storms, none. Total excess or deficiency of pre- cipitation since Jan. 1 = 1.11 in.	1873--24.7 deg. 1874--32.1 1875--24.2 1880--25.4 1887--28.3 1878--34.9 1879--27.5 1880--37.7 1881--21.7 1882--26.8	1873--7.55 1874--4.29 1875--2.72 1876--4.51 1877--2.00 1878--4.42 1879--2.09 1880--3.75 1881--4.79 1882--5.91

Monthly mean humidity, 78.8 per cent. Monthly mean dew point, 28.0. Number of cloudless days, 6. Number of partly cloudy days, 9. Number of cloudy days, 16.  
NOTES.—Observations taken on the 75th Meridian time. { Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet;  
Elevation of rain and snow gauges, 103 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of  
water recorded. A "T" in rainfall column indicates precipitation too small to measure. [ Humidity relative, saturation being 100.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF FEBRUARY 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of February, 1890.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia,.....	10,300	11	12.8	7	69	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	2	
Bridgeport,.....	49,000	76	17.6	24	31.5	3	3	3	3	3	3	1	1	4	1	1	1	1	1	9	6	4	7	6	3	25	9	
Bristol,.....	7,000	13	22.3	3	23.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	3	7	
Danbury,.....	19,000	24	15.1	7	29.1	1	1	1	1	1	3	1	1	1	1	1	1	1	2	1	1	2	3	1	1	1	1	
Derby,.....	7,250	5	8.2	2	40.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
Enfield,.....	8,000	6	9.0	1	16.6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	
Greenwich,.....	9,000	10	13.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Groton,.....	5,300	4	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hartford,.....	52,000	101	19.1	17	16.8	7	1	1	1	1	7	1	1	1	1	1	1	1	1	13	17	3	4	16	3	37	3	
Hartford,.....	52,000	101	19.1	17	16.8	7	1	1	1	1	7	1	1	1	1	1	1	1	1	13	17	3	4	16	3	37	3	
Killingly,.....	8,000	13	19.5	4	30.7	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
Manchester,.....	7,200	8	13.3	1	12.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Meriden,.....	25,500	29	13.6	14	48.2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	7	3	5	1	3	4	4	
Middletown,.....	14,500	25	11.6	4	16.0	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	7	3	5	1	3	4	4	
Middletown,.....	14,500	25	11.6	4	16.0	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	7	3	5	1	3	4	4	
Naugatuck,.....	6,500	10	18.4	3	30.0	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
New Britain,.....	20,000	19	11.4	8	42.1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
New Britain,.....	20,000	19	11.4	8	42.1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
New Haven,.....	85,000	137	16.3	37	27.0	6	6	6	6	6	6	6	3	1	1	1	1	1	1	27	19	12	24	2	4	1	4	
New Haven,.....	85,000	137	16.3	37	27.0	6	6	6	6	6	6	6	3	1	1	1	1	1	1	27	19	12	24	2	4	1	4	
New London,.....	14,000	13	11.1	4	30.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	1	4	1	1	1	1	
New London,.....	14,000	13	11.1	4	30.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	1	4	1	1	1	1	
Norwalk,.....	18,000	19	11.6	3	16.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	1	4	1	1	1	1	
Norwalk,.....	18,000	19	11.6	3	16.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	1	4	1	1	1	1	
Norwich,.....	25,000	32	15.3	10	31.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	
Plainfield,.....	5,000	8	19.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Plainfield,.....	5,000	8	19.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Putnam,.....	6,800	9	16.0	3	33.3	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Putnam,.....	6,800	9	16.0	3	33.3	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Southington,.....	5,500	7	15.2	1	14.2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Southington,.....	5,500	7	15.2	1	14.2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stafford,.....	5,000	4	9.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Stafford,.....	5,000	4	9.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Stamford,.....	16,000	27	20.2	9	33.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stamford,.....	16,000	27	20.2	9	33.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stonington,.....	7,800	7	10.7	3	42.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stonington,.....	7,800	7	10.7	3	42.8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Thompson,.....	5,500	8	17.4	1	12.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Torrington,.....	5,000	6	14.4	1	16.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Torrington,.....	5,000	6	14.4	1	16.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vernon,.....	10,000	11	13.2	2	18.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vernon,.....	10,000	11	13.2	2	18.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Wallingford,.....	6,000	6	16.0	12	26.6	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Wallingford,.....	6,000	6	16.0	12	26.6	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Waterbury,.....	34,000	45	16.0	12	26.6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Waterbury,.....	34,000	45	16.0	12	26.6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Winchester,.....	6,300	14	26.6	2	26.6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Winchester,.....	6,300	14	26.6	2	26.6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Windham,.....	10,000	21	25.2	1	5.0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Windham,.....	10,000	21	25.2	1	5.0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total of the 32 above towns,.....	513,450	728	17.0	182	25.0	8	2	6	11	1	39	12	6	11	1	2	6	4	4	95	104	44	84	60	22	217	45	
136 of less than 5,000 inhabitants,.....	245,572	361	17.6	42	11.8	10	1	1	1	1	8	5	1	4	3	1	2	1	1	1	37	73	14	39	43	10	105	4
Total reported from 168 towns,.....	759,022	1089	17.2	224	26.6	18	3	1	7	2	47	17	7	15	4	3	8	5	5	132	177	58	123	103	32	322	49	
Population of towns not reporting,.....																												

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 18; in Middletown, 11; and in New Haven, 21. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in February: Avon, Beacon Falls, Bethany, Bethlehem, Bloomfield, Bolton, Bozrah, Burlington, Chaplin, Colebrook, Durham, East Haven, Franklin, Harwinton, Lisbon, Madison, Mansfield, Marlborough, Middlefield, Munroe, New Fairfield, Old Saybrook, Plainville, Salem, Saybrook, Somers, Union, Weston—26.

The Registrars of all the towns have made report for February.

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 27 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bloomfield, Bolton, Colebrook, Coventry, Durham, East Haddam, Falls Village, Griswold, Guilford, Haddam, Hebron, Meriden, Middlefield, Naugatuck, New Britain, Newtown, Norwalk, Ridgefield, Rocky Hill, Roxbury, Salem, Stamford, Suffield, Wethersfield, Westport—27.

The mortality statement for February has been received from all the 168 towns in Connecticut. There were 1089 deaths in the State during the month. This was 559 less than in January, it was 167 more than in February, 1889, and 145.2 more than the average number of deaths in February for the five years preceding the present.

The number of deaths in the first two months of this year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989

The death-rate for the large towns 17., for the small towns 17.6, and 17.2 for the whole State.

The deaths from Zymotic diseases were 142, being 13.1 per cent. of the total mortality against 12.2 per cent. in January.

Almost all the Zymotic diseases were less fatal than in January. The most marked differences however are noted in the fatal results from diseases of the lungs—especially Pneumonia—the deaths from that cause being only 177 in February against 396 in January. Bronchitis caused 39 less deaths and Consumption 67 less, than in the previous month. No one has offered any other explanation of this remarkable disparity in the number of deaths in two consecutive months from the same diseases, than the depressing influence of the prevailing epidemic called Influenza or La Grippe. The total differences in mortality from all diseases, between January and February, was 559 in favor of the latter month.

The following infectious diseases were reported to the office as occurring in the towns mentioned:

**Small Pox**—East Windsor, Meriden—3 deaths.

The case reported in Woodstock in the last Bulletin was a false report; no case occurred there.

**Measles**—Sterling—1 death.

**Scarlet Fever**—Ansonia, Bridgeport, Danbury, Naugatuck, New Haven, Newtown, Redding—7 deaths.

**Cerebro-Spinal Fever**—Orange, Stonington—2 deaths.

**Diphtheria and Croup**—Ansonia, Berlin, Branford, Bridgeport, Danbury, Derby, Enfield, Glastonbury, Griswold, Hartford, Huntington, Killingly, Meriden, Middlebury, New Britain, New Haven, Norwalk, Norwich, Southington, Stamford, Stonington, Waterbury, Winchester—47 deaths.

**Whooping Cough**—Bridgeport, Bristol, Fairfield, Hartford, Killingly, New Haven, North Haven, Seymour, Waterbury—17 deaths.

**Typhoid Fever**—Bristol, Danbury, Derby, Middletown, New Britain, New Haven, New Milford, North Stonington, Norwich, Stafford, Seymour, Sterling, Windham—15 deaths.

Since the disappearance of La Grippe the above named infectious diseases have retreated again to their average mortality.

Diphtheria still maintains a prominent activity among the fatal diseases. For two or three months it has prevailed in New Haven on the eastern side of the town, and there is good reason to believe would have done so much more than it has, except for the practice lately inaugurated of requiring prompt notification to the Board of Health, by which

through such degree of isolation and disinfection as was practicable in private families, often in tenements, it was much restricted. Diphtheria is many times as dangerous as Small Pox. The mortality from the former is probably 100 to 1 of the latter in this country. In other places where boards of health are better organized, have more means and authority, and are better sustained by public sentiment than in New Haven, it is being demonstrated that Diphtheria and other infectious diseases can be much restricted and often stamped out in communities by well known methods. But these methods must be thoroughly followed—half-way measures give but a limited success, comparatively. It is an indication of progress, however, in New Haven, that during the month the local board instituted legal proceedings against two medical practitioners, and recovered the penalties for neglecting to notify the board of their contagious patients. One of those patients was apparently the focus of infection which has carried grief and bereavement into so many families in the eastern part of that city.

Just at the close of the month Diphtheria appeared in the New Haven County Home for Indigent and Neglected children. There are about 50 inmates of the Home, and energetic measures are being taken to control the disease.

Small Pox which started, as it very commonly does, from a rag department of a paper mill, appeared in January in Windsor Locks. It appeared soon after in some of the adjoining towns; one case in Waterbury. These cases were immediately put under proper regulations and controlled; but in Meriden the disease has been allowed greater liberty. The first suspicious case was reported to the health authorities. Six doctors examined it, but as four asserted it was Chicken Pox, and only two thought it Varioloid, the majority of course ruled and no protective measures were taken. The laws of nature, however, are not subject to majorities, like the health authorities of Meriden. Meriden was also unfortunate in being a double-headed town, having two boards of health, a town board, and a city board. So that when a little after, other cases of "Chicken Pox" ripened into the genuine Small Pox, there was still no decisive and energetic action taken to control it and protect the public. On the contrary, with astonishing deliberation the two boards of health officials called a joint meeting for the next day. This meeting, which the Secretary of the State Board of Health was invited to attend, was not called to decide upon the best methods of guarding the public. Those questions did not seem to be interesting. The chief discussion was whether the town or the city was liable for what expense might be incurred. Upon this pitiful dispute, with Small Pox in several places in the city, these two august bodies, the representatives of sanitary administration in the town and in the city of Meriden, wasted time wrangling without result, when every passing hour was precious to prevent the spread of the contagion.

Is it remarkable that with such guardians of the public health there were a dozen cases of Small Pox in Meriden before the end of the month?

All the Health Boards of Meriden are entitled to this notice for the benefit of the rest of the State.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, March 15, 1890.

It is the misfortune of the electric light wire that when it gets in its deadly work, it does so under conditions of thrilling spectacular interest. The unobtrusive plumber's pipe, which has slain its thousands where electricity has killed tens, works so modestly, and effects its purpose so gradually, that it constantly gets extension of time and new opportunities for reform.—*Rochester Union*.



# METEOROLOGICAL REPORT FOR THE MONTH OF FEBRUARY, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.			WIND.				PRECIPITATION.	CHARACTER OF WEATHER.		OF THE DAY.	CHARACTER		
	Baro- meter.	Daily Mean.	Range.		8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.			Daily Move- ment.	Max. Velo- city.			A. M.	P. M.
			Maximum.	Minimum.				Direction.	Vel. per h.	Direction.	Vel.							
1	30.45	41.6	32.7	39.	45.	33.	77	82	79.5	6	N W	N E	10	109	.01	Cloudy	Cloudy	
2	30.50	27.0	35.0	31.	36.	26.	100	100	95.0	16	N E	N E	5	109	.04	Cloudy	Cloudy	
3	30.00	34.1	44.8	41.	50.	38.	100	75	87.5	2	N	S W	2	127	.04	Foggy	Cloudy	
4	30.00	39.0	42.0	41.	44.	38.	6	100	95.0	3	N	S E	6	117	.11	Cloudy	Cloudy	
5	29.70	53.9	36.4	52.	67.	36.	31.	78	71.0	20	S W	N W	10	327	.01	Partly Cloudy	Partly Cloudy	
6	30.30	24.6	23.0	28.	32.	23.	9	71	68	69.5	8	N W	N	16	0	0	Cloudless	Cloudless
7	30.57	14.1	31.9	23.	33.	13.	20.	59	92	75.5	15	N E	E	6	275	.27	Cloudy	Cloudy
8	30.36	29.3	27.9	30.	35.	25.	10.	61	97	97.5	22	N W	E	4	327	.33	Cloudy	Cloudy
9	30.36	29.3	27.9	30.	35.	25.	10.	61	61.0	7	N W	N	8	209	.24	Cloudless	Cloudless	
10	30.60	19.2	26.2	24.	31.	18.	13.	62	75	68.5	16	N E	S	1	16	.02	Partly Cloudy	Partly Cloudy
11	30.50	24.5	34.0	30.	37.	22.	15.	82	81	81.5	5	N E	S	1	97	0	Cloudless	Cloudless
12	30.11	37.0	37.0	42.	49.	34.	15.	92	69	80.5	7	N W	N W	2	170	.21	Cloudy	Cloudy
13	30.22	30.4	37.4	36.	46.	26.	20.	66	81	73.5	3	S W	S W	7	115	0	Cloudless	Cloudless
14	29.77	37.4	49.2	43.	52.	34.	18.	100	99	99.5	1	S W	S W	13	162	.23	Foggy	Cloudy
15	29.83	45.7	35.9	42.	50.	35.	15.	89	66	77.5	10	N W	N W	6	290	.24	Cloudy	Cloudless
16	30.30	20.0	33.2	28.	37.	18.	19.	63	70	66.5	8	N W	N W	3	232	.26	Cloudless	Cloudless
17	30.10	34.0	39.6	38.	45.	31.	14.	72	98	85.0	2	N W	S E	4	81	0	Partly Cloudy	Cloudy
18	29.84	34.9	31.7	38.	44.	31.	13.	94	90	92.0	12	N	N E	9	169	.22	Cloudy	Cloudy
19	30.13	27.0	28.6	31.	35.	27.	8	55	86	70.5	1	N W	N E	7	220	.02	Cloudless	Cloudy
20	29.68	30.3	31.0	34.	41.	26.	15.	95	61	78.0	8	N E	N W	12	300	.32	Partly Cloudy	Partly Cloudy
21	30.06	13.7	18.4	18.	24.	12.	58	64	63.0	6	N W	N	6	289	.33	Cloudless	Cloudless	
22	30.12	11.2	24.5	18.	27.	10.	17	65	61	63.0	1	N W	S	4	121	.14	Cloudless	Cloudless
23	30.07	27.0	38.2	30.	44.	17.	27	91	79	79.0	1	N W	S	4	91	0	Cloudless	Cloudless
24	30.05	36.1	42.2	39.	45.	33.	12	98	100	100.0	0	N	S	4	60	0	Foggy	Partly Cloudy
25	29.99	41.0	44.3	43.	46.	40.	6	100	100	100.0	1	N	E	4	11	.12	Sprinkling	Cloudy
26	29.91	40.0	50.7	53.	67.	39.	28	93	85	75.5	7	N E	E	4	93	0	Sprinkling	Cloudy
27	30.22	39.2	40.0	41.	47.	35.	12	82	94	88.0	5	N E	E	6	163	.07	Cloudy	Partly Cloudy
28	29.96	40.4	40.0	40.	42.	37.	5	96	97	96.5	9	E	E	7	230	.86	Cloudy	Cloudy
Month	30.122	32.5	35.4	35.6	43.1	27.0	15.2	81.2	81.4	81.3	7.0	N W	N E	5.9	5226	19.6	Total.	3.19

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL (Inches and 100ths).
Monthly Mean, 30.122 inches. Highest, 30.666 in.; Date, 7th. Lowest, 29.482 in.; Date, 14th. Monthly range, 1.184.	Monthly Mean, 55.5 degrees. Highest, 67 deg.; Date, 5, 20th. Lowest, 40 deg.; Date, 22d Absolute range, 57 degrees. Greatest daily range, 31 deg.; Date, 5th. Least daily range, 5 deg.; Date, 28th. Mean daily range, 15.2 degrees. Total excess or deficiency since Jan. 1 = + 4.25 degrees.	Prevailing direction, N. W. Mean hourly velocity 7.8. Max. hourly velocity and direction, 39 miles W, Date, 5th. Total monthly movement, 5,226 miles.	Total number of days on which precipitation occurred, 16. *Greatest 24 hour precipitation, 18.75 - 21.5 (in. and 100ths), 36; Date, 28th; Total monthly precip., 1876 - 35.9 Total (in. and 100ths), 1887 - 34.2 Total depth of snow fall (inches and 100ths), 1.9 Dates of Thun. Storms, none. Total excess or deficiency of precipitation since Jan. = 12.26 in.	1873 - 26.9 deg. 1874 - 28.3 1875 - 21.5 1876 - 31.2 1877 - 29.8 1878 - 34.2 1879 - 27.6 1880 - 35.8 1881 - 26.9 1882 - 31.6	1873 - 3.49 1874 - 3.36 1875 - 3.98 1876 - 4.29 1877 - 1.07 1878 - 6.40 1879 - 3.89 1880 - 3.80 1881 - 6.17 1882 - 4.52

Monthly mean humidity, 81.3 per cent. Monthly mean dew point, 28.2. Number of cloudless days, 5. Number of partly cloudy days, 11. Number of cloudy days, 12.  
NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Humidity relative, saturation being 100.  
water recorded. A "T" in rainfall column indicates precipitation too small to measure. ¶ Total excess or deficiency since Jan. 1 = + 4.25 degrees.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MARCH, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of March, 1890.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Representing Annual Death Rate	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Pneumonia.	Bronchitis.	Diseases of Nervous system.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.		
Ausonia.....	10,300	8	9.3	3	37.5				1	3							1	2	2		1			2	2		
Bridgeport.....	40,000	76	18.1	27	35.5	3		1						2			1	6	12	5	6	6	7	3	27	5	
Bristol.....	7,000	8	13.7	1	12.5											1		3	2	3				1	1	1	
Danbury.....	10,000	36	10.0	7	23.3					2							1	1	3	3	6	1	1	6	2		
Derby.....	7,250	7	11.5	1	14.2									1				1	1	1				1	2		
Enfield.....	8,000	9	13.5	--	--													4	1	1					4	1	
Greenwich.....	9,000	14	18.6	5	35.7												1	1	1	1	4	5			1		
Groton.....	5,300	8	18.1	2	25.0				1								2	2	2	2	4				2		
Hartford.....	52,000	94	17.3	20	21.2					7	1						14	7	5	8	6	7	39	4	4		
Killingly.....	8,000	5	7.5	2	40.0					3							2	2	2	2	2				2		
Manchester.....	7,200	12	20.0	4	33.3	8							2	1			6	8	1	8	2				10	1	
Meriden.....	25,500	46	21.6	14	30.4					3							2	2	2	2	4	2			5		
Middletown.....	14,500	20	14.8	1	5.0	1											1	2	1	1					2		
Naugatuck.....	6,500	9	16.6	3	33.3									1			3	5	1	6	2	1			4		
New Britain.....	20,000	21	12.6	8	38.0					1							1	15	25	5	23	11	3	41	11		
New Haven.....	85,000	149	19.3	46	30.8					17	4	2	1				1	4	3	2	2	1	1	12	2		
New London.....	14,000	26	22.3	3	19.2					1							3	5	3	5	2	3			8		
Norwalk.....	18,000	23	15.3	3	13.0												6	7	1	7	4				40	4	
Norwich.....	25,000	45	11.6	12	26.0																					7	
Plainfield.....	5,000	3	7.2	1	33.3																					7	
Putnam.....	6,800	12	21.1	5	41.0					1							1	1	2							4	
Southington.....	5,500	9	19.6	5	55.5																					7	
Stafford.....	5,000	5	12.0	1	20.0	1																				4	
Stamford.....	16,000	19	14.2	6	31.5												1	4	2	2	1		3	2	1		
Stonington.....	7,800	13	20.0	2	15.3																					1	
Thompson.....	5,500	4	8.7	2	50.0																					1	
Torrington.....	5,000	1	2.4																							1	
Vernon.....	10,000	14	16.8	3	21.4					1							1	3	4	4						4	
Wallingford.....	9,000	10	20.0																							1	
Waterbury.....	34,000	45	15.8	17	37.7					3							1	6	3	1	1		4	3	23	4	
Windsor.....	6,300	5	9.5																							1	
Windsor.....	10,000	16	19.2	1	6.2												1	1	2							1	
Total of the 32 above towns.....	513,450	766	17.9	197	25.7	5	8										3	9	8	98	103	32	96	53	25	249	45
136 of less than 5,000 inhabitants.....	245,572	331	16.2	36	10.3	2		2	1	8	7	2	1	3			4	5	2	39	61	11	53	36	12	82	7
Total reported from 168 towns.....	759,022	1097	17.3	233	21.2	7	8	2	6	15	53	7	5	7	5	1	7	14	10	137	164	43	149	89	37	331	52
Population of towns not reporting.....																											

The Mortality in Public Institutions of the State, were: in Bridgeport, 2; in Hartford, 10; in Middletown, 2; and in New Haven, 12. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in March: Beacon Falls, Bethlehem, Bolton, Bozrah, Durham, East Haven, Ellington, Franklin, Hartland, Killingworth, Lebanon, Middlebury, Montville, Morris, New Fairfield, North Branford, North Haven, Scotland, Union, Warren, West Hartford, Willington, Wolcott, Woodbridge—24.

The Registrars of all the towns have made report for March.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 33 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Bloomfield, Bolton, Brooklyn, Colebrook, Coventry, Durham, East Haddam, Falls Village, Granby, Greenwich, Griswold, Guilford, Haddam, Hartford, Hebron, Madison, Meriden, Middlefield, New Hartford, Newtown, Norwalk, Portland, Ridgefield, Rocky Hill, Roxbury, Salem, Stafford, Suffield, Westbrook, Wethersfield, Westport, Wilton, Windham—33.

The mortality statement for March has been received from all the 165 towns in Connecticut. There were 1097 deaths in the State during the month. This was 8 more than in February, it was 48 more than in March, 1889, and 13.2 less than the average number of deaths in March for the five years preceding the present.

The number of deaths in the first quarter of this year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	939
March,	1097	1049	1170	1043	1060	1224
1st Quarter,	3834	2863	3282	2819	2794	3159

In the first three months of this year the number of deaths was 971 more than in the first quarter of 1889.

It was \$51 more than the average of the deaths in the corresponding quarter for the five years before.

This excess occurred almost wholly in January during the prevalence of the epidemic of "La Grippe." Although few deaths comparatively were attributed directly to that epidemic, yet its influence upon the results of other diseases cannot be doubted.

Physicians even yet recognize an occult influence manifested in the tardy, halting convalescence of their patients from almost all severe illnesses.

The death-rate for the large towns 17.9, for the small towns 16.2, and 17.3 for the whole State.

The deaths from Zymotic diseases were 147, being 13.3 per cent. of the total mortality against 13.1 per cent. in February.

There was no marked difference in total mortality of the Zymotic diseases in the last two months, although considerable differences in the special diseases. The deaths from Small Pox, Measles, Cerebro-Spinal Fever, Diphtheria and Croup and the Diarrhoeal diseases were more numerous, while those from Scarlet Fever, Whooping Cough, Erysipelas, Typhoid Fever and Puerperal Fever were less.

The following infectious diseases were reported to the office as occurring in the towns mentioned.

**Small Pox**—Meriden—8 deaths.

**Measles**—Bolton, Eastford, Griswold, Lisbon, Newton, West Granby, Wethersfield, Windham—2 deaths.

**Scarlet Fever**—Bridgeport, Hartford, Naugatuck, New Britain, New Haven, Newtown—6 deaths.

**Cerebro-Spinal Fever**—Ansonia, Bloomfield, Griswold, Groton, Guilford, Hamden, Norwalk, Norfolk, Simsbury, Stafford, Stamford, Stonington, Stratford, Wallingford, Waterbury—15 deaths.

**Diphtheria and Croup**—Bloomfield, Bridgeport, Clinton, Danbury, Derby, Glastonbury, Griswold, Hamden, Hartford, Hebron, Killingly,

Manchester, Meriden, New Britain, New Canaan, New Haven, New London, Putnam, Seymour, Southington, Vernon, Waterbury, Windham—53 deaths.

**Whooping Cough**—Griswold, Hartford, New Haven, Orange, Portland, Stafford, Westbrook—7 deaths.

**Typhoid Fever**—Derby, Durham, Griswold, Hartford, Middlefield, Middletown, New Haven, Newtown, Roxbury, Stafford, Watertown—7 deaths.

There was a somewhat severe epidemic of diphtheria in the New Haven County Home for Dependent and Neglected Children, with five fatal results. It is believed that the disease has been arrested.

The epidemic of Small Pox at Meriden, reported in the last issue is thought to be now over in that city.

There were in the two months of February and March, 26 cases reported to the Health authorities, of whom 10 died.

This was the most extensive and fatal epidemic of Small Pox that has ever occurred in any town or city in Connecticut since the organization of the State Board of Health.

The following statement concerning its origin in Meriden has been reported at this office. A man boarding with a saloon-keeper in Meriden visited Windsor Locks during the prevalence of the disease in that place. After his return he was ill and had an eruption, which was thought so suspicious that he was kept out of view in his rooms until it had disappeared, and advised to say nothing about it. In due time the little daughter of the saloon-keeper was also taken sick and had an eruption; and her physician reported it to the City Health Committee as Varioloid. A consultation with other physicians was held upon the case, and the majority being of opinion that it was Chicken Pox and not Varioloid the Health Committee took no precautions about it. The case was not even kept under observation for the brief time necessary to settle the doubt concerning it.

The experience of Meriden will afford a notable illustration of the importance of immediate notification of every infectious disease, and of the danger of neglecting any cases about which there is reasonable uncertainty of the diagnosis.

It is only right to expect that in future under the present organization of local boards of health in every town in Connecticut, such attention and care will be given to every real or suspicious case that an extensive and fatal epidemic of Small Pox like the recent one in Meriden, will not soon occur again.

Dr. Baker, the eminent Sanitarian and Secretary of the State Board of Health of Michigan, recently made the following statement:

"The record of the great saving of human life and health in Michigan in recent years is one to which, it seems to me, the State and local Boards of Health in Michigan can justly 'point with pride.'"

"It is the saving of over one hundred lives per year from Small Pox, four hundred lives per year saved from death by Scarlet Fever, and nearly six hundred lives per year saved from death by Diphtheria—an aggregate of eleven hundred lives per year, or three lives per day saved from these three diseases! This is the record which we ask to have examined, and which we are willing to have compared with that of the man who 'made two blades of grass to grow where only one grew before.'"

The local Boards of Health in Connecticut have like powers and opportunities with those of Michigan.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, April 15, 1890.

# METEOROLOGICAL REPORT FOR THE MONTH OF MARCH, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER†	TEMPERATURE.‡				RELATIVE HUMIDITY.§			WIND.			PRECI-PITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
		Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	Vel. m. per h.	Direc-tion.	Direc-tion.	Vel.		Daily Movement.	Max. Velocity.		8 A. M.	8 P. M.
1	29.98	39.0	31.3	36	31	42	31	91.0	N	N	6	N	16	270	22	Lt. Rain Cloudy	Cloudy
2	30.05	21.2	23.0	24	25	24	20	5	N	N	18	N	15	359	27	Cloudy	Cloudy
3	30.09	17.0	28.3	24	34	14	20	5	N	N	18	N	15	254	34	Partly Cloudy	Partly Cloudy
4	30.18	19.4	35.2	28	40	15	25	7	W	W	8	S	9	132	14	Partly Cloudy	Partly Cloudy
5	30.11	34.8	33.4	37	41	33	38	69	W	W	24	N	17	191	20	Cloudless	Cloudless
6	30.68	22.0	16.2	20	24	16	8	20	N	N	11	W	17	425	30	Cloudless	Cloudless
7	30.30	7.0	17.3	14	24	4	8	56	N	N	11	W	17	240	24	Cloudless	Cloudless
8	30.32	14.4	22.2	21	31	11	20	59	N	N	10	W	13	192	14	Cloudless	Cloudless
9	30.50	23.0	30.3	28	37	19	18	60	N	N	12	W	14	199	18	Cloudless	Cloudless
10	30.48	25.7	37.2	31	44	18	26	45	N	W	1	W	5	114	13	Cloudless	Cloudless
11	30.26	40.3	41.0	40	43	37	6	98	S	E	2	S	1	50	7	Lt. Rain Cloudy	Cloudy
12	30.18	43.0	53.0	53	67	39	28	94	S	W	1	S	1	68	18	Cloudless	Cloudless
13	30.17	47.2	48.0	54	64	43	21	91	N	W	1	N	6	103	15	Cloudless	Cloudless
14	30.68	40.0	37.0	40	42	37	5	94	N	N	6	N	9	176	14	Lt. Rain Cloudy	Cloudy
15	29.80	33.0	33.3	34	36	32	4	91	N	N	6	N	9	70	10	Heavy Snow Cloudy	Cloudy
16	29.60	25.0	25.0	28	33	23	10	63	W	W	12	N	7	241	24	Cloudless	Partly Cloudy
17	29.65	25.0	34.5	29	41	17	24	64	W	W	6	N	14	262	24	Cloudless	Partly Cloudy
18	29.75	36.4	41.4	40	50	30	26	72	N	W	13	N	6	234	27	Cloudless	Partly Cloudy
19	29.81	29.1	27.3	28	31	25	6	93	N	E	6	W	0	204	25	Heavy Snow Cloudless	Cloudy
20	30.04	27.0	38.0	29	41	17	24	66	N	E	0	S	4	77	14	Sprinkling Cloudless	Cloudy
21	29.70	41.0	46.2	44	50	37	13	100	S	W	10	S	4	93	18	Sprinkling Cloudless	Cloudy
22	29.70	41.3	39.0	42	45	39	6	100	E	N	2	N	23	177	24	Heavy Rain Cloudless	Cloudy
23	29.97	39.0	31.9	37	42	32	10	85	N	N	10	N	20	281	25	Sprinkling Cloudless	Cloudy
24	30.50	27.9	35.7	34	43	25	18	46	N	W	15	N	2	178	21	Cloudless	Cloudless
25	30.32	35.0	42.0	36	43	30	13	81	N	E	1	S	7	129	15	Cloudless	Cloudy
26	29.76	46.1	42.1	49	57	41	16	100	E	W	1	W	10	236	26	Foggy Cloudy	Cloudy
27	29.95	37.3	43.8	43	51	35	16	68	S	W	1	W	10	236	22	Cloudy	Cloudy
28	29.59	34.0	34.5	34	36	32	4	99	N	E	9	N	8	227	24	Partly Cloudy	Cloudy
29	29.73	30.0	31.7	30	40	32	8	73	N	W	16	W	14	297	26	Cloudy	Cloudy
30	30.00	32.9	33.0	35	41	29	12	76	N	W	1	W	4	113	23	Lt. Snow Cloudless	Cloudy
31	30.33	33.0	35.0	34	42	25	17	86	N	W	2	S	10	93	14	Partly Cloudy	Cloudy
Month Mean	30.024	31.4	34.4	34.2	41.3	27.0	14.3	78.1	N	W	7.6	N	7.3	190.7	20.4	Total, 6.00	

\*† Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths).
Monthly Mean, 30.024 inches. Highest, 30.543 in.; Date, 10th. Lowest, 29.456 in.; Date, 28th. Monthly range, 1.087.	Monthly Mean, 34.2 degrees. Highest, 67 degrees; Date, 12th. Lowest, 28.6 degrees. Absolute range, 63 degrees. Greatest daily range, 28 deg.; Date, 12th. Least daily range, 4 deg.; Date, 15th. Mean daily range, 14.3 degrees. Total excess or deficiency since Jan. 1 = + 4.05 degrees.	Prevailing direction, N. W. Max. hourly velocity, 7 m. Mean hourly velocity, 2 m. Total miles N. Date, 3d. Total monthly movement, 5913 miles.	Total number of days on which precipitation occurred, 18. *Greatest 24 hour precipitation, 1873-32.0 1882-32.0 (in. and tenths) 1.48 ; Date, 1873-35.5 1886-34.1 1877-38.0 22, 23; Total monthly precip-itation (in. and tenths), 6.60 1878-43.5 1879-37.7 1880-36.7 Total depth of snow fall (inches and tenths), 2. Dates of Thun. Storms, 22d, 28th. Total excess or deficiency of pre-cipitation since Jan. 1 = - 42 in.	1873-32.2 deg. 1884-33.6 1885-26.9 1886-34.1 1887-31.3 1888-29.4 1889-36.7 1890-34.2 1881-36.1 1882-36.9	1873-4.05 1883-1.64 1884-1.31 1885-1.19 1886-1.30 1887-4.22 1888-1.44 1889-5.82 1890-6.60 1881-10.42 1882-3.59



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF APRIL, 1890.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of April, 1890.

The population as stated below was given by the Town Clerks of the respective Towns. Total estimated population of the State, 759,022.

TOWNS.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Pauperial Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.	10,300	20	23.3	9	45.0						6	1									1		3		1	8	4
Bridgeport.	49,000	81	19.5	22	26.2	2			3		1	1	2	1	1						9	20	5	14	3	3	19
Bristol.	7,000	7	12.0	2	28.5																2	1			1	1	1
Danbury.	19,000	15	9.5	6	40.0	1					2			1								3	2			6	1
Derby.	7,250	4	6.6																					1			1
Enfield.	8,000	4	6.0								1																3
Greenwich.	9,000	12	16.0	7	58.0						1	1									1		2	3		1	3
Groton.	5,300	13	15.7	2	33.3																						1
Hartford.	52,000	96	18.5	12	13.3						6	1		3							7	9	1	8	1	41	1
Killingly.	7,600	9	18.5	1	33.3						1										1		2	2		4	1
Manchester.	7,200	13	21.6	1	7.7																					2	2
Middletown.	25,000	32	15.0	9	28.1						1	6	2								4	5	3	6	2	6	1
Middlebury.	14,500	21	10.7	3	12.5																					1	1
Norwich.	6,500	6	11.0	1	16.6																						1
New Britain.	20,000	20	12.0	7	35.0						1															1	2
New Britain.	85,000	134	16.8	21	17.9						3	9	1	3	2	1	1	1	1	2	14	34	5	19	14	1	23
New London.	11,000	22	18.8	7	31.8						1	2														8	2
Norfolk.	18,000	33	22.0	5	15.1																						12
Norwich.	25,000	20	11.5	4	15.4																						9
Plainfield.	5,000	7	16.8	1	14.2																						3
Punam.	6,800	3	5.3	1	33.3																						1
Southington.	5,500	9	19.6	5	55.5																						2
Stafford.	5,000	9	21.6	1	11.1																						1
Stamford.	16,000	28	21.0	11	39.3																						12
Stonington.	7,800	9	13.8																								2
Thompson.	5,500	9	19.6	3	33.3																						2
Torrington.	5,000	2	4.8																								1
Vernon.	10,000	17	20.4	2	11.7																						4
Wallingford.	6,000	7	14.0	2	28.5																						1
Waterbury.	34,000	50	17.6	21	42.0						1			2												3	27
Winchester.	6,300	2	3.8																								4
Windham.	10,000	14	16.8																								4
Total of the 32 above towns.	513,450	730	17.9	170	23.3	3																					49
133 of less than 5,000 inhabitants.	240,257	357	17.8	36	10.1																						10
Total reported from 165 towns.	753,707	1087	17.3	266	18.9	3																					59
Population of towns not reporting.	5,315																										

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 14; in Middletown, 11; and in New Haven, 15. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in April: Beacon Falls, Bolton, Bridgewater, Canaan, Chaplin, Colebrook, East Haven, Franklin, Harwinton, Ledyard, Madison, Marlborough, Morris, New Fairfield, North Stonington, Plymouth, Prospect, Scotland, Sherman, Tolland, Trumbull, Voluntown, Warren, Wethersfield, Wolcott, Woodbury—26.

The Registrars of the following towns have made no report for April: Goshen, Sterling, Suffield.

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 30 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Ashford, Avon, Bolton, Bridgeport, Colebrook, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, Hamden, Hartford, Hebron, Madison, Naugatuck, New Hartford, Newtown, Noroton, Norwich, Rocky Hill, Roxbury, Stafford, Stamford, Terryville, West Hartford, Wethersfield, Westport, Windham—30.

The mortality statement for April has been received from 165 of the 165 towns in Connecticut. There were 1087 deaths in the State during the month. This was 10 less than in March, it was 14 more than in April, 1889, and the same as the average number of deaths in April for the five years preceding the present. But as three towns with a population of over 5,000 have not reported a full report would slightly change these comparisons.

The number of deaths in the first four months of this year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
April,	1087	1073	1116	1011	1056	1175

The death-rate for the large towns 17.0, for the small towns 17.8, and 17.3 for the whole State.

The deaths from Zymotic diseases were 137, being 12.6 per cent. of the total mortality against 13.3 per cent. in March.

The following infectious diseases were reported to the office as occurring in the towns mentioned.

**Small Pox**—Bridgeport.

**Measles**—Avon, Eastford, Rocky Hill, Roxbury, West Hartford, Wethersfield—1 death.

**Scarlet Fever**—Bridgeport, Greenwich, Hartford, Mansfield, Naugatuck, New Britain, Newtown, Oxford, Stamford, West Hartford—9 deaths.

**Cerebro-Spinal Fever**—Derby, Griswold, Hartford, Manchester, Meriden, New Haven, Redding, Simsbury—12 deaths.

**Diphtheria and Croup**—Ansonia, Bridgeport, Bristol, Colebrook, Danbury, Darien, Enfield, Greenwich, Griswold, Guilford, Hartford, Hebron, Huntington, Kent, Killingly, Meriden, New Britain, New Hartford, New Haven, New London, New Milford, North Canaan, Orange, Southington, Stamford, Wallingford, Waterbury, Wethersfield, Windham—48 deaths.

**Whooping Cough**—Ansonia, Bridgeport, Greenwich, Groton, Milford, New Haven, New London, Old Saybrook, Stafford—10 deaths.

**Typhoid Fever**—Bridgeport, Danbury, Derby, Hartford, New Hartford, New Haven, Rocky Hill, Roxbury, Stamford, Waterbury, Windham—13 deaths.

Small Pox is again banished from the State. How can the efficiency and good work of local boards of health be more emphatically demonstrated than by the experience of the last few months, in restricting and stamping out this most contagious and dreaded disease? It has invaded in turn such towns as Windsor Locks, Waterbury, East Windsor, Meriden, and Bridgeport, since the beginning of the year; and yet in each place under the energetic exercise of the authority invested in the

local boards of health, such rigid isolation of patients and thorough vaccination has been practiced that it has been wholly extinguished. In some of these towns, notably Waterbury and Bridgeport, the notification was so prompt and the preventive measures so thorough that the disease attacked no other than its first victim.

Of what force are the oft exploded arguments of the anti-vaccinationists in the face of such facts?

We do not succeed so well in exterminating other infectious diseases, like Scarlet Fever and Diphtheria, because we have no protective agency corresponding to vaccination, which defends individuals from these diseases. Hence the conclusion is just that the extinction of Small Pox in a community or town is largely due to the protection which vaccination gives, and is not merely the result of isolation and disinfection.

Isolation and disinfection, however, are important factors in the prevention of epidemics, and being the chief reliance in other infectious diseases than Small Pox should be practiced with more vigilance than is sometimes observed.

It cannot be too often impressed upon the minds of local boards of health, charged with the protection of the health of their constituents, that prompt notification of contagious diseases, rigid isolation of the patients, and thorough disinfection of their surroundings will always, if intelligently and persistently practiced, be attended with satisfactory success. In short, if an outbreak of contagious disease in any community is not limited to those who are first discovered with it, it will be because of the culpable neglect of these precautions.

The general health of the State did not vary materially from that of the previous month. There were no severe epidemics prevailing in any part of the State. In Westport it was reported that Mumps prevailed to an extent approximating an epidemic. In Bridgeport Dr. Wordin reported the list of Zymotic Diseases to be fuller represented during April than usual, including one case of Varioloid. Just one-fourth of the deaths in that city were caused by Pneumonia. The same was true of New Haven.

La Grippe has nearly disappeared in *propria persona*, but it is everywhere recognized that a strong impression has been left detrimental to the general health.

Dr. Swift of Hamden reported as sequels of Pneumonia in persons of about 80 years, in one case Phlebitis of the right leg and in another Vesical Paralysis, while in two other cases of 35 and 40 years there was Desquamation of skin as after Scarlet Fever. These patients were all females. He also reported that tape worms parted their moorings in two instances, soon after the accession of Influenza in one case and of Pneumonia in the other.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1890.

### CREMATING THE GARBAGE OF NEW YORK.

A New York company has offered to enter into a five year contract with the city, under good and sufficient bonds, to take charge of and dispose of all the garbage, ashes and street refuse of every kind at a sum not to exceed the present outlay for the disposal of garbage, which is about \$250,000 a year. The company has a capital of \$1,000,000 and purposes, if its offer is accepted, to erect crematories at each dumping station—fifteen in all, with extra ones for emergencies, making a total of eighteen—and to have the first of them in operation within three months and all of them within a year.

*Annals of Hygiene.*

# METEOROLOGICAL REPORT FOR THE MONTH OF APRIL, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER. <sup>†</sup>	TEMPERATURE. <sup>‡</sup>				RELATIVE HUMIDITY. <sup>§</sup>			WIND.				PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
		Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Movement.	Max. Velocity.						
						Direction.	Vel. per h.	Direction.	Vel.								
1	30.36	33.0	36.4	36.	43.	29.	43.	N	W	2	151	N	W	22	-38	Cloudless	Cloudless
2	30.50	33.0	39.2	37.	50.	24.	50.	S	W	0	138	S	W	18	0	Cloudless	Cloudless
3	30.25	42.3	40.0	49.	62.	30.	26.	65	0	0	0	18	0	0	0	Foggy	Cloudy
4	29.74	45.9	40.0	49.	62.	30.	26.	77	100	98.5	3	124	S	W	47	Partly Cloudy	Cloudy
5	30.03	40.0	41.1	44.	49.	38.	11.	59	66	62.5	10	361	N	W	0	Partly Cloudy	Cloudless
6	30.25	37.0	40.0	42.	52.	31.	21.	76	77	76.5	8	166	0	SW	24	Cloudy	Cloudless
7	29.88	44.1	43.8	48.	53.	32.	11.	94	86	90.0	3	94	0	0	22	Lt. Rain	Cloudy
8	29.97	45.7	44.4	44.	53.	35.	18.	69	100	84.5	1	30	N	E	6	Partly Cloudy	Cloudy
9	29.50	40.0	42.4	41.	44.	38.	6.	96	99	97.5	2	186	E	3	24	Cloudy	Cloudy
10	29.70	45.9	44.8	47.	53.	41.	12.	60	59	59.5	11	264	N	E	20	Cloudy	Partly Cloudy
11	30.04	40.3	44.3	42.	49.	36.	13.	68	59	63.5	13	235	N	W	20	Cloudless	Partly Cloudy
12	30.28	44.0	46.0	44.	55.	32.	23.	65	73	69.0	1	97	N	W	10	Cloudless	Partly Cloudy
13	30.04	50.7	53.0	51.	66.	36.	30.	70	52	61.0	0	69	S	E	12	Cloudless	Partly Cloudy
14	29.92	52.0	50.7	58.	69.	46.	23.	57	79	68.0	4	100	S	0	12	Cloudless	Partly Cloudy
15	30.24	42.0	47.4	48.	55.	41.	14.	61	46	53.5	20	330	N	6	32	Cloudless	Partly Cloudy
16	30.35	43.9	45.7	44.	55.	33.	22.	68	62	65.0	6	159	S	W	17	Cloudless	Partly Cloudy
17	30.00	49.0	51.0	51.	65.	37.	28.	54	60	57.0	9	195	W	9	21	Cloudless	Cloudless
18	29.88	42.2	40.8	45.	52.	38.	14.	68	35	51.5	16	206	N	W	0	Cloudless	Cloudless
19	30.19	33.2	45.0	40.	54.	27.	27.	50	64	57.0	13	162	N	E	21	Cloudless	Cloudless
20	30.37	40.0	51.9	48.	60.	35.	25.	48	58	53.0	8	148	N	W	15	Cloudless	Cloudless
21	30.33	50.2	60.4	52.	67.	38.	29.	46	44	45.0	1	153	N	0	16	Cloudless	Cloudless
22	30.41	54.0	48.6	53.	59.	47.	12.	61	71	66.0	8	151	N	SW	15	Cloudless	Cloudless
23	30.13	49.0	59.0	52.	61.	44.	17.	92	62	77.0	1	151	0	0	0	Cloudless	Cloudless
24	30.22	58.0	58.9	61.	70.	52.	18.	83	98	90.5	19	147	0	0	21	Sprinkling	Cloudy
25	30.26	40.1	64.4	45.	50.	40.	10.	96	72	84.0	7	273	0	0	14	Lt. Rain	Cloudy
26	30.36	45.0	41.2	43.	50.	36.	14.	50	91	76.5	19	263	N	E	24	Cloudy	Cloudy
27	29.90	48.1	49.4	46.	52.	39.	13.	98	99	96.0	8	120	N	E	21	Cloudy	Cloudy
28	29.99	48.0	48.0	53.	62.	44.	68.	64	97	97.0	15	206	N	W	15	Foggy	Cloudy
29	30.06	44.2	46.4	46.	56.	30.	20.	68	73	67.0	10	19	S	5	17	Cloudless	Partly Cloudy
30	29.90	48.0	49.0	51.	59.	43.	16.	80	85	84.5	8	153	0	S	13	Cloudless	Cloudless
Month	30.108	44.3	47.3	47.0	56.0	37.9	18.0	71.0	72.2	71.6	6.1	164.3	S SW & NW	5.1	18.1	Total	2.80

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL (Inches and tenths.)	
	Monthly Mean, 30.108 inches.	Monthly Mean, 47.0 degrees.	Prevailing direction, N. W.	Total number of days on which precipitation occurred, 9.	Total number of days on which precipitation occurred, 9.	Total number of days on which precipitation occurred, 9.	1873--44.2 deg.	1883--44.2 deg.	1873--5.79	1883--2.23
Highest, 30.597 in.; Date, 2d.	Highest, 70 deg.; Date, 2d.	Highest, 60 deg.; Date, 2d.	Mean hourly velocity, 6.8.	*Greatest 24 hour precipitation, 1875--43.0	*Greatest 24 hour precipitation, 1875--43.0	*Greatest 24 hour precipitation, 1875--43.0	1884--44.9	1884--44.9	1874--7.89	1884--2.36
Lowest, 29.468 in.; Date, 9th.	Lowest, 24 deg.; Date, 2d.	Absolute range, 46 degrees.	Max. 34 miles NW, Date, 4th.	Max. 34 miles NW, Date, 4th.	Max. 34 miles NW, Date, 4th.	Max. 34 miles NW, Date, 4th.	1885--46.0	1885--46.0	1875--3.28	1885--2.31
Monthly range, 1.129.	Greatest daily range, 30 deg.; Date, 13th.	Total monthly movement, 4,930 miles.	Total monthly movement, 4,930 miles.	Total monthly movement, 4,930 miles.	Total monthly movement, 4,930 miles.	Total monthly movement, 4,930 miles.	1886--48.3	1886--48.3	1876--7.65	1886--3.21
	Least daily range, 6 deg.; Date, 9th.	Mean daily range, 18.0 degrees.	Mean daily range, 18.0 degrees.	Mean daily range, 18.0 degrees.	Mean daily range, 18.0 degrees.	Mean daily range, 18.0 degrees.	1887--44.4	1887--44.4	1877--3.41	1887--2.75
	Mean daily range, 18.0 degrees.	Total excess or deficiency since Jan. 1 = + 4.46 degrees.	Total excess or deficiency since Jan. 1 = + 4.46 degrees.	Total excess or deficiency since Jan. 1 = + 4.46 degrees.	Total excess or deficiency since Jan. 1 = + 4.46 degrees.	Total excess or deficiency since Jan. 1 = + 4.46 degrees.	1888--44.0	1888--44.0	1878--5.08	1888--2.57
							1889--48.6	1889--48.6	1879--6.08	1889--4.01
							1890--47.0	1890--47.0	1880--3.69	1890--2.89
							1881--41.1	1881--41.1	1881--1.71	1881--1.55
							1882--43.5	1882--43.5	1882--1.55	1882--1.55

Monthly mean humidity, 71.6 per cent. Monthly mean dew point, 36.2. Number of cloudless days, 6. Number of partly cloudy days, 9. Dates of Solar Halos, 6th, 8th, 10th, 15th, 16th, 23d, 29th.

Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. § Snow is melted and resulting amount of water recorded. A T in rainfall column indicates precipitation too small to measure. ¶ Humidity relative, saturation being 100.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MAY, 1890.





# REMARKS.

In addition to the above report of mortality, the office is in receipt of 32 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ashford, Bloomfield, Bolton, Bridgeport, Cheshire, Colebrook, Coventry, East Haddam, Falls Village, Greenwich, Griswold, Guilford, Haddam, Hebron, New Britain, New Hartford, New Haven, Newtown, Norwalk, Plymouth, Ridgefield, Rocky Hill, Roxbury, Salem, Seymour, Southbury, Stamford, Suffield, Thomaston, Westport, Wethersfield, Windham—32.

The mortality statement for May has been received from 167 of 168 towns in Connecticut. There were 978 deaths in the State during the month. This was 109 less than in April, it was 46 more than in May, 1889, and 38 less than the average number of deaths in May for the five years preceding the present.

The number of deaths in the first five months of this year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1066	1224
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999

The death-rate for the large towns 15.8, for the small towns 14.6, and 15.4 for the whole State.

The deaths from Zymotic diseases were 121, being 12.3 per cent. of the total mortality against 12.6 per cent. in April.

The following infectious diseases were reported to the office as occurring in the towns mentioned.

**Measles**—Falls Village, Greenwich, Norwalk, Ridgefield, Roxbury, Stamford, Wethersfield.

**Scarlet Fever**—Bridgeport, Essex, Greenwich, Hartford, Manchester, New Britain, New Hartford, Plymouth, Seymour, Southbury, Stamford—9 deaths.

**Cerebro-Spinal Fever**—Bloomfield, Bolton, Orange, Thompson—4 deaths.

**Diphtheria and Croup**—Ansonia, Bloomfield, Bridgeport, East Hartford, Greenwich, Glastonbury, Haddam, Hartford, Huntington, Meriden, New Britain, New Canaan, New Haven, Norwalk, Somers, Southington, Stamford, Terryville, Thomaston, Waterbury, Westport, Wethersfield, Winchester, Windham—49 deaths.

**Whooping Cough**—Ansonia, Groton, Guilford, Hebron, New Haven, Pomfret, Portland, Ridgefield, Wallingford—9 deaths.

**Typhoid Fever**—Ansonia, Bethel, Bridgewater, Bristol, Falls Village, Middletown, New Britain, New Hartford, New Haven, New London, North Canaan, Stamford, Waterbury, Windham—13 deaths.

## NOTIFICATION OF INFECTIOUS DISEASE.

The State is to be congratulated upon the favorable reception with which the practice of notification of infectious diseases has been met in so many towns. As a means of protecting the public it is coming to be duly appreciated.

The following facts emphasize its value:

In ———, Conn., a case of Scarlet Fever occurred in a family. The ordinary precautions of isolation, etc., were directed by the Board of Health. One point, however, was overlooked or disregarded. The family owned a cow, and a member of the sick family carried milk to two other families, leaving it at the door of their houses. Shortly after two children of one of the families using this milk took Scarlet Fever and died. Then isolation and disinfection of all the infected places were rigidly observed, speedy and private burial was required, and the disease was arrested. At this period much alarm was excited, and families were sending their children away. The question arises—what danger to other communities may follow removal of children which have been exposed? The right and duty of parents to remove their children

**NOTE.**—While this Bulletin is preparing for the press, I have information of a mad dog in Windham, biting six other dogs and one man before he was shot. The six bitten dogs have been confined; all other dogs in the town are to be closely muzzled by order of Board of Health for 60 days. The man will be taken to New York to receive the Pasteur treatment.

from the presence of infectious disease cannot be questioned. But what of the rights of the communities to which they go? The golden rule of doing as you would be done by would seem to demand that the health officer of the town of A should inform the health officer of the town of B that Mr. X of the town of A has sent his children to No. — street, in B, to escape the danger of exposure to Scarlet Fever, which is prevailing in the neighborhood of the residence of Mr. X in A.

Such notification would enable the health officer of B to quietly take such precautions in reference to the children of Mr. X, as would most effectually prevent the spread of the disease if they should be the subjects of it.

Quibblers for personal rights will object to such espionage of private homes, but the rights of the public are superior to those of the individual, and the temporary inconvenience and even annoyance of the few should be patiently endured, rather than the unnecessary sickness and death of many which can be avoided.

As illustrating the necessity of greater attention to the precautions for escaping the contagion of Scarlet Fever, two towns in the State report an invasion of that disease from Bridgeport, one family bringing children home from that city "while still contagious," from whom five new cases occurred.

In another instance, the only one in that town, a child was taken with Scarlet Fever soon after returning from a visit to Bridgeport. There are no means of knowing how many cases occur in consequence of convalescents from Scarlet Fever being permitted to travel on the cars, and so communicating the disease to fellow-passengers, or leaving the infection upon the cushioned seats to infect later occupants of the same cars.

For illustration of the readiness with which that disease may be transmitted, see the last (12th) Annual Report of the State Board of Health.

An outbreak of Diphtheria is reported at Haddam. There were 7 cases in one family. It was attributed to opening a drain leading from a sink to a cesspool, distance ten rods. Whooping Cough is reported as prevalent in Marlborough, and also in the west mountain district of Ridgefield, the result of an importation of 5 cases from New York in one family. Measles have in several instances been traced from one town to another.

**Vaccination.**—An approximate census of vaccinated and unvaccinated children was taken in Cheshire, and it was found that of 295 children only 144 had been vaccinated January 1st, 1890. Since then about 80 of the 150 unvaccinated have submitted to the operation, leaving still about 70 unprotected, among whom, if Small Pox should get a foothold, it would make many funerals.

The months of May and June are usually among the most healthy in the year, and last May has proved no exception to the rule.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, June 14, 1890.

## HOW DIPHTHERIA IS SPREAD BY CORPSES.

Communicated by Dr. H. B. BAKER, Secretary of State Board of Health of Mich.

In March, 1890, two corpses, woman and child of same family, dead of throat disease, certified by attending physician to be not "dangerous to the public health," were conveyed from Montmorency county to Lapeer county, Mich., where just one week from the day the coffins were opened and the remains viewed, a person who was thus exposed came down with Diphtheria. Many others would probably have been exposed except for the action of the local health officer, who, suspecting that the cause of the deaths was Diphtheria, warned the neighbors and forbade the opening of the coffins at the funeral. He promptly isolated the first case that occurred, and no epidemic resulted. This is quite different from the result of a similar occurrence at Zanesville, Ohio, last spring, where many deaths resulted from exposure to a corpse brought from Chicago. It shows the importance of notice to the local health officer of the arrival of every corpse, so that he may take every precaution which may be necessary.



# METEOROLOGICAL REPORT FOR THE MONTH OF MAY, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†					RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION. Inches and Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
	Baro- meter.†	Daily Mean.		Range.		8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.			Daily Movement.	Max. Velocity.		8 A. M.	8 P. M.
		Daily Mean.	8 A. M.	8 P. M.	Minimum.				Maximum.	Direction.	Vel. per h.	Direction.						
1	29.88	59.0	55.0	60.	71.	49.	22.	83	95	80.0	S	6	N	8	179	18	Cloudless	Heavy Rain
2	30.19	45.0	47.9	48.	59.	38.	21.	53	74	63.5	N	14	N	7	230	21	Cloudless	Cloudless
3	30.14	46.0	50.8	50.	57.	43.	14.	85	81	84.5	S	9	S	9	187	17	Cloudy	Cloudy
4	29.88	55.1	57.9	56.	64.	49.	15.	100	98	99.0	S E	5	S	5	81	10	Sprinkling	Sprinkling
5	29.65	56.4	61.2	62.	69.	54.	19.	100	98	94.0	S	5	S	4	131	12	Cloudless	Cloudless
6	29.67	55.0	55.2	58.	62.	51.	8.	100	81	90.5	S E	9	N	4	159	14	Foggy	Cloudy
7	30.02	50.0	51.6	52.	61.	44.	17.	65	66	65.5	N W	2	N	0	60	15	Cloudy	Cloudy
8	30.04	52.3	50.2	52.	57.	48.	9.	60	60	70.0	N	20	N	1	223	20	Cloudy	Partly Cloudy
9	30.14	50.0	35.9	51.	61.	41.	20.	62	69	60.5	N W	4	S W	13	223	17	Cloudless	Partly Cloudy
10	29.93	56.3	55.0	58.	65.	52.	13.	93	99	96.0	S W	6	S W	5	170	23	Lt. Rain	Heavy Rain
11	30.12	52.0	51.0	56.	63.	49.	14.	85	88	86.5	N E	16	S E	4	147	18	Cloudy	Cloudy
12	30.10	54.2	53.1	52.	61.	43.	18.	67	80	73.0	N E	4	S	2	122	14	Cloudless	Cloudless
13	29.88	48.1	54.0	53.	60.	46.	14.	49	97	72.5	S	5	S	11	192	19	Cloudy	Cloudy
14	29.72	65.0	63.1	66.	78.	53.	25.	85	92	88.5	S W	12	S	2	175	15	Partly Cloudy	Partly Cloudy
15	29.59	60.3	59.4	62.	65.	58.	7.	99	99	99.0	S	4	N	4	93	18	Cloudy	Cloudy
16	29.96	57.0	52.2	62.	72.	52.	20.	100	65	82.5	S	4	N	12	147	19	Cloudy	Partly Cloudy
17	29.95	56.7	57.0	52.	63.	42.	21.	68	82	75.0	N E	2	S W	6	158	19	Cloudless	Cloudless
18	30.14	53.0	53.6	53.	61.	45.	16.	52	71	61.5	N W	1	S E	5	123	18	Cloudless	Cloudless
19	29.95	57.7	62.1	60.	72.	49.	23.	98	96	97.0	S E	1	S E	7	132	13	Cloudy	Partly Cloudy
20	29.78	62.0	52.4	58.	64.	52.	12.	93	84	88.5	S	8	S	6	242	30	Foggy	Cloudy
21	30.23	52.6	54.0	55.	66.	44.	22.	56	67	61.5	N E	11	S E	6	148	16	Cloudless	Cloudless
22	30.29	52.3	57.8	56.	66.	45.	21.	68	69	68.5	N E	8	N E	13	130	13	Cloudy	Cloudless
23	30.14	52.0	55.6	53.	63.	43.	20.	58	75	66.5	N E	11	S W	5	148	15	Cloudless	Partly Cloudy
24	30.08	56.8	60.0	60.	67.	52.	15.	86	85	85.5	S W	2	S E	6	129	12	Cloudless	Cloudless
25	30.24	53.2	54.3	58.	64.	52.	12.	92	87	89.5	S E	6	S E	6	152	12	Cloudy	Partly Cloudy
26	30.16	51.0	55.0	54.	58.	49.	9.	97	96	96.5	E	10	E	2	158	12	Lt. Rain	Cloudy
27	29.83	59.1	61.0	60.	65.	54.	11.	99	94	96.5	S	9	N	0	127	14	Cloudless	Cloudless
28	29.86	63.2	60.4	62.	68.	55.	13.	55	52	63.5	N W	7	N	11	202	25	Cloudless	Cloudless
29	30.02	63.0	56.2	62.	72.	52.	20.	72	55	65.0	S E	4	S E	4	260	18	Partly Cloudy	Partly Cloudy
30	29.92	59.2	58.0	58.	67.	48.	19.	71	61	66.0	N W	8	S W	5	122	13	Cloudless	Cloudless
31	29.77	66.0	71.0	64.	79.	49.	30.	71	52	61.5	N W	1	N W	5	127	17	Cloudless	Cloudless
Month Ave.	29.97	55.5	56.4	56.9	65.2	48.5	16.6	S	78.8	79.8	S	7.1	S E	5.5	157.5	16.7	Total.	4.24

\*† Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and Insects).
	Monthly Mean.	Highest.	Lowest.	Range.	Prevailing direction.	Max. hourly velocity.	Direction.	Vel.	
Monthly Mean.	29.97 inches.	30.38 in.	29.72 in.	0.66 in.	Prevailing direction, S. 24.	Mean hourly velocity 6.6.	Direction, S.	Vel., 14.	1873--55.9 deg.
Highest.	30.38 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1874--56.8 "
Lowest.	29.72 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1875--58.2 "
Range.	0.66 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1876--58.2 "
Greatest daily range.	0.66 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1877--59.5 "
Date, 31st.	31st.	31st.	31st.	31st.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1878--58.7 "
Least daily.	31st.	31st.	31st.	31st.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1879--61.4 "
Mean daily range.	0.66 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1880--64.3 "
Total excess or deficiency since Jan. 1.	0.66 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1881--58.5 "
Total excess or deficiency since Jan. 1.	0.66 in.	30.38 in.	29.72 in.	0.66 in.	Max. hourly velocity 6.6.	Max. hourly velocity 6.6.	Direction, S.	Vel., 14.	1882--54.4 "

Monthly mean humidity, 79.3 per cent. Monthly mean dew point, 49.2. Number of cloudless days, 9. Number of partly cloudy days, 12. Number of cloudy days, 10.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.









MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JUNE, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of June, 1890.

The estimated population as stated below was given by the Town Clerks of the respective Towns.

TOWNS.	Census 1890.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.	10,000	-----	14	16.8	9	42.8	-----	-----	-----	-----	2	3	-----	-----	-----	-----	-----	-----	-----	2	3	1	-----	1	-----	-----	-----	4
Bridgeport.	45,550	-----	65	16.3	27	41.5	-----	-----	-----	-----	-----	5	-----	-----	-----	-----	-----	-----	-----	10	-----	9	-----	5	-----	-----	-----	3
Bristol.	7,000	-----	10	17.1	4	23.5	-----	-----	-----	-----	-----	1	2	-----	-----	-----	-----	-----	-----	2	-----	6	-----	1	-----	-----	-----	3
Danbury.	19,450	-----	21	12.9	10	47.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	-----	2	-----	1	-----	-----	-----	3
Derby.	5,070	-----	11	23.2	3	27.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	2	-----	4	-----	-----	-----	1
Enfield.	8,000	-----	9	13.5	2	22.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	2	-----	1	-----	-----	-----	5
Greenwich.	10,000	-----	14	16.8	3	21.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8	-----	3	-----	1	-----	-----	-----	2
Groton.	5,300	-----	10	22.6	3	30.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	8	-----	5	-----	-----	-----	5
Hartford.	52,000	-----	82	15.9	24	29.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8	-----	3	-----	4	-----	-----	-----	3
Killingly.	8,000	-----	5	7.5	2	40.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	3	-----	1	-----	-----	-----	1
Manchester.	7,200	-----	10	16.6	1	10.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	6	-----	1	-----	-----	-----	4
Meriden.	24,700	-----	30	14.5	1	3.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	3	-----	2	-----	-----	-----	10
Middletown.	14,500	-----	17	4.9	2	11.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	3	-----	1	-----	-----	-----	6
Naugatuck.	6,350	-----	4	7.5	2	50.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	4	-----	3	-----	-----	-----	3
New Britain.	20,000	-----	13	7.8	6	46.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	4	-----	3	-----	-----	-----	4
New Haven.	81,000	-----	134	16.2	50	37.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	14	-----	21	-----	3	-----	-----	-----	16
New London.	14,000	-----	14	12.0	3	21.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	4	-----	10	-----	-----	-----	4
Norfolk.	17,130	-----	18	12.6	2	11.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	-----	5	-----	1	-----	-----	-----	8
Norwich.	25,000	-----	21	10.1	4	18.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4	-----	5	-----	1	-----	-----	-----	2
Plainfield.	5,000	-----	2	4.8	1	50.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	7	-----	-----	-----	3
Putnam.	6,800	-----	14	24.7	8	57.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	1
Southampton.	5,500	-----	4	8.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	5	-----	-----	-----	4
Stafford.	5,000	-----	3	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	1
Stamford.	17,600	-----	16	10.9	7	43.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	2
Stonington.	7,800	-----	10	15.4	4	40.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4	-----	1	-----	4	-----	-----	-----	2
Thompson.	5,500	-----	7	15.3	1	14.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	1	-----	-----	-----	6
Torrington.	6,050	-----	7	13.8	2	28.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	2	-----	1	-----	-----	-----	1
Vernon.	10,000	-----	4	4.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	3
Wallingford.	6,500	-----	4	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	1
Waterbury.	32,200	-----	45	16.7	16	35.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	-----	2	-----	8	-----	-----	-----	1
Winchester.	6,200	-----	5	9.6	2	40.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	-----	1	-----	-----	-----	1
Windham.	10,000	-----	11	13.2	2	18.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	3	-----	1	-----	-----	-----	2
Total of the 32 above towns.	201,400	216,600	634	14.9	198	31.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
134 of less than 5,000 inhabitants.	-----	508,000	274	14.1	32	14.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total reported from 166 towns.	-----	740,310	908	14.7	230	25.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Population of towns not reporting.	-----	3,950	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 13; in Middletown, 5; and in New Haven, 20. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in June: Andover, Barkhamsted, Beacon Falls, Bethel, Chatham, Colebrook, Eastford, East Granby, East Haven, Granby, Hartland, Marlborough, Newington, Plymouth, Prospect, Rocky Hill, Salem, Somers, Southbury, Sprague, Trumbull, Union, Weston, Wilton, Wolcott—26.

The Registrars of the following towns have made no report for June: Middlebury and Woodstock.

# REMARKS.

In addition to the above report of mortality, the office is in receipt of 25 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Ashford, Bloomfield, Bolton, Brooklyn, Colebrook, Coventry, East Haddam, Greenwich, Griswold, Hartford, Guilford, Hebron, Madison, New Haven, Norwalk, Norwich, Ridgefield, Rocky Hill, Salem, Stamford, Suffield, New Hartford, West Hartford, Wethersfield, Westport.

The mortality statement for June has been received from 166 of 168 towns in Connecticut. There were 908 deaths in the State during the month. This was 70 less than in May, it was 17 less than in June, 1889, and 68 less than the average number of deaths in June for the five years preceding the present.

The number of deaths in the two quarters of this year compared with the first two quarters of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
Total for ½ year,	6807	5793	6194	5553	5547	6167

In the first half of this year the number of deaths was 1014 more than in the first half of 1889, or 957 more than the average of the first half of the five years preceding. This excess was mostly due to the epidemic in January.

The death-rate was 14.9 for the large towns; for the small towns 14.1, and 14.7 for the whole State.

The deaths from Zymotic diseases were 160, being 17.6 per cent. of the total mortality against 12.3 per cent. in May.

The following infectious diseases were reported to the office as occurring in the towns mentioned.

**La Grippe**—Griswold, Mansfield—2 deaths.  
**Measles**—Colchester, Colebrook, East Haddam, East Lyme, Greenwich, Killingly, Norwich, Ridgefield, Stamford—3 deaths.  
**Scarlet Fever**—New Hartford, Norwalk, Norwich, Plainville, Stamford, Torrington—2 deaths.  
**Cerebro-Spinal Fever**—Ansonia, Bolton, Canton, Hartford, Portland, Simsbury, Stamford, Stonington, Thomaston, Thompson, West Hartford, Winchester, Woodbridge—15 deaths.  
**Diphtheria and Croup**—Ansonia, Bridgeport, Bristol, Brooklyn, Colebrook, East Hartford, Greenwich, Hamden, Hartford, Manchester, Meriden, New Britain, New Haven, Portland, Salisbury, Stamford, Suffield, Waterbury, West Hartford, Wethersfield, Winchester—42 deaths.  
**Whooping Cough**—Bristol, New Haven, Norwich, Portland, Putnam, Ridgefield—9 deaths.  
**Typhoid Fever**—Durham, Hartford, New Hartford, Stamford, Waterbury, Waterford—11 deaths.  
**Diarrhoea** under 5.—Ansonia, Bridgeport, Danbury, Groton, Hartford, Huntington, Meriden, New Britain, New Haven, Norwich, Portland, Putnam, Ridgefield, Salem, Stamford, Waterbury, Windham—51 deaths.  
**Diarrhoea** over 5.—East Haddam, New Haven, Plainfield, Putnam, Waterbury, Wethersfield—9 deaths.

Acute diseases of the lungs were less fatal than in any previous month this year, and diarrhoeal diseases more frequent and fatal.

## CHOLERA INFANTUM.

It is now the season when Cholera Infantum is most prevalent and most fatal. A few facts below noted, are of special interest.

3. The victims of Cholera Infantum are almost wholly bottle-fed babies. Nursing babies do not often suffer.

2. The disease rarely occurs except in hot weather. The hotter the weather the more severely it prevails.

3. But mark this. The disease is not common in salubrious surroundings—though the babies be bottle-fed—though the weather be never so hot.

Three prominently conspicuous conditions are generally necessary to produce Cholera Infantum. To wit: Cow's milk, a high temperature and a foul, polluted atmosphere.

Babies take Cholera Infantum because the cow's milk fed to them is poisoned. Cow's milk is poisoned because it has been exposed to an atmosphere surcharged with pathogenic germs. The milk is a first rate culture fluid in which such germs readily and rapidly grow.

The pathogenic germs do not exist in the atmosphere in dangerous amount except in hot weather; not until the temperature has become high and continued high, long enough to warm the ground sufficiently to generate these germs and make them volatile.

Even then such disease germs are not generated in clean and pure soil. They are produced chiefly in ground which has been defiled and contaminated with filth, especially the filth of house sewage. This explains why Cholera Infantum is so prevalent in houses in thickly populated places where for years all the sewage has been disposed of in filth pits about their back yards until the surrounding ground has become saturated. In the open country, where the virgin soil is still uncontaminated by man's devices, this disease is almost unknown.

But a vile and filthy soil is not always necessary, under a high temperature, to poison milk by exposure to corruption in the air. These same disease-producing germs can be generated wherever a high degree of heat can act upon decomposing organic matters on the surface of the ground, or even in ill-ventilated and dirty houses; hence rotting garbage heaps, ill-aired and nasty pantries where food is kept, unclean and sloppy ice boxes and kitchen sinks, and especially the emanations from open drains, and from defective plumbing are special sources of milk poisoning and direct instruments of infanticide.

The practical lesson from these facts is very plain. *Protect the milk from exposure to the air*, so that it will not absorb those poisonous germs. Give the most careful attention to cleanliness both within and about the house, that the atmosphere you live in shall be as pure as possible. But in unsanitary localities individual effort, unless by united and concerted action, avails but little. In such cases the only safety for the bottle-fed babies is to *protect the milk* as received from the milkmen. It is right to assume that it may be already infected and not fit for babies. Therefore it must be disinfected. That can be most effectively done by heat—by boiling the milk. In hot weather, boil all the milk that the baby takes. The boiling kills the germs. After boiling, it must not be exposed to the air or it will become infected again. Manage the process as follows: Provide a nursing-bottle for each feeding of the baby for twenty-four hours, that is, a fresh bottle for each nursing. As soon as you have received the milk for a day's supply, fill each nursing-bottle and set them in a pan of water over the fire and boil them all at once. After sufficient boiling stop each bottle with a wad of Cotton instead of a cork. Cotton is impervious to germs. The milk after boiling will keep for days in such bottles without change. When the baby needs food, remove the cotton from one bottle and apply the mouthpiece, which should have been cleansed with the most scrupulous care. If the baby does not take all the milk in a bottle, use the remainder for something else or throw it away—never give it to the baby—take a new bottle when he needs another feeding.

Ingenuous contrivances for boiling milk for babies, are on sale and known as Milk Sterilizers.

In some cities the druggists supply for bottle-fed babies, sterilized milk on demand, ready for use.

Mothers.—Remember this, if your bottle-fed baby has summer diarrhoea, it is because the cow's milk you have given it was poisoned by the emanations from the dirty things about you—either the ground about your house is saturated with sewage or your kitchen sinks or pantries are not kept clean, or what is very common now, the plumbing in your house is defective and the sewer air has infected the milk.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
 Superintendent of Vital Statistics.

NEW HAVEN, July 15, 1890.



# METEOROLOGICAL REPORT FOR THE MONTH OF JUNE, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BAROMETER.		TEMPERATURE.				RELATIVE HUMIDITY.			WIND.				PRECIPITATION. Inches.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Range.		8 A. M.	Direction.	Vel. m. per h.	Direction.	Vel.	Daily Movement.	Max. Velocity.		A.M. Wind.	P. M. Wind.	
					Maximum.	Minimum.											
1	29.92	67.0	72.0	66.	52.	28.	53	49	52.0	W	4	N W	6	156	0	Cloudless	Cloudless
2	30.02	68.7	66.4	68.	58.	20.	58	40	49.0	N W	7	N W	3	212	0	Cloudless	Cloudless
3	30.15	62.0	63.1	60.	48.	23.	52	62	57.0	N E	3	S	3	93	.01	Cloudy	Cloudy
4	29.98	67.4	67.4	67.	58.	18.	50	90	89.5	S E	1	S	3	81	T	Cloudy	Cloudy
5	29.94	63.1	64.0	68.	56.	13.	79	87	83.0	S	5	E	5	117	0	Partly Cloudy	Partly Cloudy
6	29.92	64.3	62.0	62.	57.	11.	92	98	95.0	S	5	N W	23	139	1.51	Cloudy	Cloudy
7	29.87	64.2	69.1	68.	54.	27.	91	57	75.5	W	5	N W	14	109	.06	Cloudy	Cloudy
8	30.25	57.0	64.4	62.	70.	54.	36	60	49.0	N W	12	N W	24	0	0	Cloudless	Cloudless
9	30.20	67.9	73.2	68.	53.	31.	67	59	59.0	W	5	N W	14	0	0	Cloudless	Cloudless
10	29.92	69.1	64.6	65.6	64.	75.	81	42	55.0	S E	1	S W	1	91	0	Cloudless	Cloudless
11	29.92	69.1	71.0	72.	83.	62.	78	91	84.5	E	6	S	12	13	.54	Cloudy	Cloudy
12	29.89	68.6	65.0	66.	55.	14.	83	94	93.5	N E	12	N E	12	17	.05	Cloudy	Cloudy
13	29.91	62.4	57.0	56.	63.	49.	94	93	90.5	N E	2	N E	8	20	.35	Cloudy	Cloudy
14	29.93	55.3	60.1	58.	63.	54.	99	94	86.0	N E	6	S	2	10	T	Cloudy	Cloudy
15	30.14	61.0	62.2	64.	69.	58.	88	88	83.5	N E	6	S	2	90	0	Cloudy	Cloudy
16	30.24	62.3	61.1	64.	70.	59.	81	83	84.	S W	7	S W	6	116	0	Partly Cloudy	Partly Cloudy
17	30.06	63.0	64.9	64.	71.	57.	91	90	90.5	S W	7	W	7	153	0	Cloudless	Cloudless
18	29.82	72.3	70.6	74.	85.	63.	81	50	65.5	S W	3	N W	12	17	0	Partly Cloudy	Partly Cloudy
19	29.89	71.4	70.0	71.	80.	62.	81	64	62.5	N E	5	S	8	187	0	Cloudless	Cloudless
20	30.16	62.3	63.4	64.	74.	54.	79	96	87.5	N	16	E	5	112	.14	Cloudy	Cloudy
21	30.04	64.0	55.2	61.	67.	55.	92	99	91.0	S	11	S E	5	156	.12	Cloudy	Cloudy
22	29.95	58.4	64.0	62.	66.	57.	82	95	92.0	N E	2	S	6	61	T	Cloudy	Cloudy
23	30.06	59.0	63.2	62.	66.	57.	9.	89	90.5	N E	3	S W	13	01	0	Partly Cloudy	Partly Cloudy
24	29.97	64.3	70.0	69.	76.	62.	14.	94	60	80.5	3	N W	13	0	0	Cloudless	Cloudless
25	29.76	76.0	70.2	76.	88.	63.	25.	70	62.0	W	11	W	6	234	.23	Partly Cloudy	Partly Cloudy
26	29.77	73.2	74.0	74.	82.	66.	16.	53	58.5	N W	12	N E	2	163	T	Cloudless	Cloudless
27	29.84	66.5	64.0	67.	73.	60.	12.	56	90	73.0	3	W	2	120	0	Partly Cloudy	Partly Cloudy
28	29.78	70.1	75.2	72.	83.	60.	64	65	84.5	N W	8	S	7	155	0	Partly Cloudy	Partly Cloudy
29	29.88	95.1	66.1	66.	75.	57.	89	79	84.0	N E	1	S	5	101	0	Cloudless	Cloudless
30	29.95	67.0	69.0	67.	77.	57.	67	67	71.5	W	1	S	5	101	0	Cloudless	Cloudless
Month	29.981	64.9	66.0	65.9	74.7	57.1	75.1	74.8	75.0	S	5.7	S	4.5	141.5	3.12	Total	3.12

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and foots.)
Monthly Mean, 29.981 inches. Highest, 30.289 in.; Date, 10th. Lowest, 29.723 in.; Date, 28th. Monthly range, .566 in.	Monthly Mean, 65.9 degrees. Highest, 88 deg.; Date, 25th. Lowest, 48 deg.; Date, 3d. Absolute range, 40 degrees. Greatest daily range, 31 deg; Date, 9th. Least daily range, 9 deg.; Date, 14th. Mean daily range 17.6 degrees. Total excess or deficiency since Jan. 1 = + .305 degrees.	Prevailing direction, S. Max. hourly velocity, 5.9. Mean hourly velocity, 5.9; direc- tion, 26 miles NW. Date, 2d. Total monthly movement, 4,245 miles.	Total number of days on which precipitation occurred, 11. *Greatest 24 hour precipitation, (in. and foots), 1.57; Date, 5th, 6th. Total monthly precip- itation (in. and foots), 3.12 Total depth of snow fall (inches and foots), 0. Dates of Thun. Storms, 4, 5, 6, 11, 12 Total excess or deficiency of pre- cipitation since Jan. 1 = - .84 in.	1873--67.0 deg. " 1883--68.3 deg. " 1874--67.4 " 1884--66.8 " " 1875--67.9 " 1885--65.2 " " 1876--72.1 " 1886--63.2 " " 1877--69.5 " 1887--65.5 " " 1878--66.1 " 1888--67.8 " " 1879--69.3 " 1889--67.4 " " 1880--70.5 " 1890--65.9 " " 1881--62.5 " 1891--65.9 " " 1882--66.2 " 1892--65.9 " "	1873--2.07 " 1883--1.53 " " 1874--3.41 " 1884--5.26 " " 1875--3.50 " 1885--1.43 " " 1876--1.86 " 1886--2.84 " " 1877--6.17 " 1887--5.02 " " 1878--2.62 " 1888--2.15 " " 1879--4.62 " 1889--3.17 " " 1880--1.21 " 1890--3.12 " " 1881--5.14 " 1891--3.12 " " 1882--2.74 " 1892--2.74 " "

Monthly mean humidity, 75. per cent. Monthly mean dew point, 56.5. Number of cloudless days, 7. Number of partly cloudy days, 14. Number of cloudy days, 9.

NOTES.—Observations taken on the 75th Meridian time. + Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 103 feet. - A minus sign (-) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. [ Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JULY, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

*And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of July, 1890.*

The estimated population as stated below was given by the Town Clerks of the respective Towns.

The Census Population is only approximate, the exact enumeration is not yet published.

TOWNS.	Census rego.	Estimated Population.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Pneperal Fever.	Diarrhoea under 5	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.	10,000	---	34	10.8	23	67.6	---	---	---	---	3	2	---	---	---	---	---	13	3	1	2	---	---	4	1	5	0	
Bridgeport.	45,550	---	100	24.7	52	52.0	---	---	1	1	4	2	---	---	1	---	---	26	2	9	1	1	4	5	4	1	6	
Bristol.	7,370	---	8	13.0	4	50.0	---	---	---	---	---	---	---	---	---	---	---	0	2	2	2	---	---	9	1	5	0	
Danbury.	19,450	---	31	19.1	17	55.0	---	---	---	---	---	---	---	---	---	---	---	0	3	3	3	---	---	0	2	2	0	
Derby.	5,670	---	16	33.8	9	56.2	---	---	---	1	---	1	---	---	---	---	---	1	0	---	---	---	---	1	2	1	2	
Enfield.	7,200	---	12	20.0	3	25.0	---	---	---	---	---	---	---	---	1	---	---	0	3	---	1	2	---	---	1	2	2	
Greenwich.	10,000	---	11	13.2	2	17.2	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---	---	---	3	1	1	4	
Groton.	5,460	---	3	6.6	1	33.3	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---	---	---	5	1	1	1	
Hartford.	52,000	---	102	20.0	42	41.1	---	---	---	1	3	1	2	2	---	---	32	2	6	6	1	10	8	1	33	3		
Killingly.	8,000	---	5	7.5	4	80.0	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	1	1	5	5	
Manchester.	8,200	---	10	14.6	7	70.0	---	---	---	1	1	---	---	---	---	---	---	10	3	4	1	---	---	6	1	12	3	
Meriden.	24,700	---	32	15.5	19	59.3	---	---	---	---	---	1	---	---	---	---	---	0	3	0	1	---	---	9	2	4	0	
Middletown.	15,140	---	43	24.5	13	30.2	---	---	---	---	---	---	---	---	---	---	---	10	3	4	1	---	---	6	1	12	0	
Naugatuck.	6,360	---	6	11.3	2	33.3	---	---	---	---	---	---	---	---	---	---	---	0	1	0	---	---	---	---	---	1	0	
New Britain.	19,000	---	30	19.0	17	56.6	---	---	---	---	---	---	---	---	---	---	---	14	6	2	2	---	---	1	1	9	9	
New Haven.	85,800	---	211	28.0	115	54.5	---	---	---	1	10	4	---	---	---	---	70	6	23	1	4	19	13	3	49	8		
New London.	13,670	---	21	18.4	6	28.5	---	---	---	1	---	---	---	---	---	---	---	14	6	2	2	---	---	3	2	12	1	
Norwalk.	17,130	---	20	14.0	5	25.0	---	---	---	1	---	---	---	---	---	---	---	18	3	5	4	---	---	7	2	13	1	
Norwich.	23,025	---	53	27.6	25	47.1	---	---	---	---	2	1	---	---	---	---	---	18	3	5	---	---	---	7	2	13	1	
Plainfield.	5,000	---	7	16.8	2	28.5	---	---	---	---	---	---	---	---	---	---	---	5	---	3	---	---	---	---	---	6	0	
Putnam.	6,800	---	13	23.0	7	53.0	---	---	---	---	---	---	---	---	---	---	---	5	---	3	---	---	---	---	---	1	1	
Southington.	5,500	---	7	15.2	3	42.8	---	---	---	---	---	---	---	---	---	---	---	5	---	3	---	---	---	---	---	1	1	
Stamford.	17,600	---	32	21.8	9	27.5	---	---	1	1	---	---	---	---	---	---	---	9	1	1	2	---	---	9	4	2	6	
Stonington.	7,800	---	10	15.3	4	40.0	---	---	---	---	---	---	---	---	1	---	---	2	40	---	1	2	---	---	4	2	6	
Thompson.	5,500	---	5	10.9	3	60.0	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---	---	---	---	---	1	1	
Torrington.	6,000	---	9	11.8	2	33.3	---	---	---	1	---	---	---	---	---	---	---	2	2	2	2	---	---	---	---	1	1	
Vernon.	8,800	---	9	12.2	6	44.4	---	---	---	---	---	---	---	---	---	---	---	4	---	---	---	---	---	---	---	1	1	
Wallingford.	6,500	---	15	27.7	6	40.0	---	---	---	1	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	1	3	
Waterbury.	32,200	---	80	34.0	52	40.1	---	---	---	1	2	---	---	8	---	---	42	4	2	4	---	---	---	---	4	1	4	
Windsor.	6,200	---	6	11.0	1	16.0	---	---	---	1	---	---	---	---	---	---	---	6	---	---	1	---	---	---	---	5	3	
Windham.	10,000	---	13	15.0	---	---	---	---	---	1	---	---	---	---	---	---	---	5	---	1	---	---	---	---	---	10	3	
Total of the 31 above towns.	406,585	95,100	957	22.8	459	47.9	---	---	3	2	8	26	15	3	16	2	1	294	29	80	17	9	107	65	25	254	34	
137 of less than 5,000 inhabitants.	---	233,745	343	17.6	86	26.2	---	---	1	1	5	8	3	---	2	2	1	50	17	29	16	1	50	40	26	90	10	
Total reported from 163 towns.	---	735,430	1306	21.2	545	41.9	---	---	4	3	13	34	18	3	18	4	2	2	344	46	109	33	10	157	105	51	341	44
Population of towns not reporting.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 6; in Hartford, 15; in Middletown, 12; and in New Haven, 11. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in July: Andover, Beacon Falls, Bolton, Bozrah, Bridgewater, Chaplin, Eastford, East Granby, East Haven, Goshen, Harwinton, Killingworth, Lisbon, Middlefield, Morris, Newington, Norfolk, North Branford, North Canaan, Pomfret, Salem, Tolland, Union, Warren, Washington, Weston—26.

The Registrars of all the towns have made report for July.



# REMARKS.

In addition to the above report of mortality, the office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Ansonia, Avon, Bridgeport, Brooklyn, Bolton, Coventry, East Haddam, Falls Village, Griswold, Guilford, Haddam, Hebron, New Haven, Newtown, Norwalk, Portland, Rocky Hill, Roxbury, Salem, Stamford, Suffield, Westport, Wethersfield and Windham—21.

The mortality report for July was received from every town in the State.

There were 1,300 deaths reported in July. This was 392 more than in June, and 29 less than in July of last year, and 25 less than the average mortality in July for the five years preceding the present.

The number of deaths in the first seven months of the year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1003	1278

The death-rate was 22.8 for the large towns; for the small towns 17.6, and 21.2 for the whole State.

The deaths from Zymotic diseases were 495, being 38. per cent. of the total mortality against 17.6 per cent. in June. The increased percentage is due to the excessive mortality from Diarrhoea.

The following infectious diseases were reported to the office as occurring in the towns mentioned:

**La Grippe**—Portland—1 death.

**Measles**—Bridgeport, Canaan, Greenwich, Lyme, Salem, Stamford, Stonington—4 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Watertown, Windham—3 deaths.

**Cerebro-Spinal Fever**—Derby, Hartford, Manchester, New Haven, North, Seymour, Simsbury, Somers, Suffield, Thomaston, Torrington, Wallingford, Winchester—13 deaths.

**Diphtheria and Croup**—Ansonia, Berlin, Bridgeport, Brooklyn, Canaan, Colebrook, East Hartford, Glastonbury, Griswold, Hartford, Manchester, New Haven, New London, Norwalk, Norwich, Seymour, Sprague, Suffield, Waterbury—34 deaths.

**Typhoid Fever**—Bloomfield, Hebron, Huntington, Hartford, Middletown, Naugatuck, New Britain, New Haven, New London, Stamford, Stonington, Waterbury—18 deaths.

**Diarrhoea** is reported as prevalent in one-half of the towns in the State and 65 towns report fatal cases. Total mortality 390.

Acute disease of the lungs only 43 fatal cases.

## SUMMER DIARRHOEA.

A report pregnant with interest at this season of the year, has lately been made to the Local Government Board of England, relating to the causes of Diarrhoea. The investigation of the subject covered a period of eight years, from 1880 to December, 1888, and an extensive territory, including towns of high and low diarrhoeal mortality. It studied carefully the following:

(1) **General Conditions** in their influence as etiological factors, to wit: Temperature of the Air—Temperature of the earth to the depth of 4 ft.—Rainfall—Air movement.

(2) **Conditions and Locality**, such as—Elevations above sea level—Soil—Density of Population—Impediments to Ventilation—Dark and dirty dwellings—Sewer or cesspool emanations—Filthy accumulations

of Domestic refuse in Privies, Garbage Heaps, etc.—Polluted Drinking Water.

(3) **Conditions relating to the Population**—As Social Position—Food and Artificial Feeding of Infants—Maternal Neglect and Carelessness in Infant Management. The report gives as the result of this exhaustive study conclusions which the author modestly calls provisional hypothesis. While he accords to a high temperature a very potent influence, he says "it is exerted indirectly" and is not a direct cause of diarrhoea. The following remarkable statement appears in the report: "The summer rise of diarrhoeal mortality does not begin until the mean temperature recorded at 4 ft. below the earth's surface attains about 56° Fahr., no matter what may have been the previous temperature of the atmosphere or that recorded by the 1 ft. earth thermometer." And that the maximum diarrhoeal mortality of the year, is in the week, in which the temperature recorded by the 4 ft. earth thermometer attains its mean weekly maximum. And further that the decline of diarrhoeal mortality coincides with the decline of temperature recorded by the 4 ft. earth thermometer without regard to the atmospheric temperature.

The effect of *rainfall* seems to depend upon its reducing the earth temperature.

**Air Movement**—"In diarrhoeal season, calm promotes it and high winds lessen it."

**Soil**—Diarrhoeal mortality is favored by soils permeable to water and air. Rock and impermeable soils lessen it. The presence of organic matter in the soil favors a high diarrhoeal mortality.

**Density of Population** and everything which contributes to foul the air or interfere with its free circulation enhances the diarrhoeal death rate.

**Domestic darkness and general dirtiness of dwellings** conduce to diarrhoeal mortality; if with these the habitations are crowded and the ventilation bad, then the mortality is highest. **Sewer or cesspool emanations** in a concentrated form and suddenly let loose, the author says, are of themselves capable of occasioning a diarrhoeal epidemic.

**Food-keeping**, exposed in cellars and closets to emanations from domestic filth will produce diarrhoea, especially if stored in dark places and not exposed to currents of air. He sums up the report with the following suggestions: That the essential cause of Diarrhoea resides ordinarily in the superficial layers of the earth, where it is intimately associated with the life processes of some micro-organism not yet detected.

That the vital manifestations of such organism are dependent upon conditions of season and on the presence of dead organic matter which is its pabulum.

That in certain conditions, particularly of temperature, these organisms become volatile and are wafted through the air, attaching themselves to such organic material as will afford them a nidus and pabulum.

That in food, both in and out of our bodies, such micro-organisms find the proper conditions for their development, multiplication and evolution.

And that when so received into the human body they are the material cause of epidemic diarrhoea.

That for obvious reasons bottle-fed babies are most exposed to this infection.

## TYPHOID FEVER IN WATERBURY.

The State Board has made, through Prof. H. E. Smith of the Yale Medical School, a very careful investigation of the epidemic occurring in June last, and has just published Dr. Smith's report.

It adds one more to the many well determined instances of Typhoid Fever epidemics caused by milk infection.

The numerous instances now on record of the spread of Typhoid Fever by infected milk, which have been clearly traced to that source, leaves no doubt whatever that the disease can be communicated in that way.

The practical lesson it teaches is, the importance of much greater care than is ordinarily observed in all matters pertaining to milk production.

Typhoid Fever is not the only disease which may be spread by milk. The infectious germs of other diseases, it is believed, when gaining access to milk will grow in it, and be multiplied, and communicate the infection to those who use the milk so infected.

Epidemics of Scarlet Fever and of Diphtheria have many times been traced to infected milk. It is also now well known that the milk of Tuberculous cows is charged with the Bacilli Tuberculosis, which is the essential cause of that most fatal of human diseases—pulmonary consumption.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, August 15, 1890.

# METEOROLOGICAL REPORT FOR THE MONTH OF JULY, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Baro-Meter.	° F.			° F.	° F.		° F.		° F.		Inches.		S. A. M.	P. M.	
		Daily Mean.	8 A. M.	8 P. M.		Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.					
1	29.06	76.0	72.0	83	58	66	61	63.5	S	1	64	0	Partly Cl'dy	Cloudy	Partly Cl'dy	
2	29.02	70.9	69.8	75	66	70	84	77.0	S	8	137	.02	Cloudy	Cloudy	Cloudy	
3	29.79	67.1	69.5	71	66	97	90	93.5	S E	12	206	1.14	Cloudy	Cloudy	Cloudy	
4	29.78	69.8	71.8	72	78	98	88	93.0	S E	11	110	T	Cloudy	Cloudy	Partly Cl'dy	
5	29.06	66.8	66.5	69	76	84	68	76.0	N	11	154	.06	Cloudless	Cloudless	Cloudless	
6	30.07	67.8	70.0	66	78	66	65	65.5	N	6	133	0	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy	
7	30.06	70.0	71.0	82	60	77	79	78.0	S W	2	164	0	Cloudless	Cloudless	Cloudless	
8	29.84	74.5	79.8	91	66	80	77	78.5	S W	10	201	0	Cloudless	Cloudless	Cloudless	
9	29.80	79.5	63.8	75	65	55	52	53.5	N W	11	243	0	Cloudless	Partly Cl'dy	Cloudless	
10	30.06	58.7	63.6	60	69	52	54	69.0	N	3	107	0	Cloudless	Cloudless	Cloudless	
11	30.18	63.4	67.0	64	74	55	19	62.0	N E	11	150	T	Cloudless	Sprinkling	Partly Cl'dy	
12	30.14	68	64.3	64	75	52	23	67.5	W	3	149	.76	Cloudy	Cloudy	Partly Cl'dy	
13	30.08	64.2	62.0	64	71	57	77	67.0	S W	7	153	0	Cloudless	Cloudless	Partly Cl'dy	
14	30.08	64.2	67.9	64	74	68	78	73.0	S E	4	177	T	Cloudless	Cloudless	Partly Cl'dy	
15	30.05	69.6	73.0	74	84	65	19	86.0	N W	5	177	T	Cloudless	Sprinkling	Partly Cl'dy	
16	30.04	77.0	79.1	78	90	66	24	75.0	S W	7	150	0	Cloudless	Cloudless	Partly Cl'dy	
17	29.90	74.1	67.0	76	85	67	18	68.0	N W	3	93	.27	Cloudy	Cloudy	Cloudy	
18	29.93	70.0	67.0	70	75	66	9	60.5	S W	5	89	.23	Cloudless	Cloudless	Cloudless	
19	29.96	64.1	63.3	62	73	52	21	57.0	N W	4	205	.07	Partly Cl'dy	Cloudless	Partly Cl'dy	
20	30.18	62.0	60.4	62	72	51	21	57.0	N W	6	167	.25	Cloudy	Cloudless	Partly Cl'dy	
21	30.23	62.4	65.3	62	74	49	25	65.5	N	4	184	0	Cloudless	Cloudless	Cloudless	
22	30.22	64.3	66.3	61	73	49	24	65.0	S W	5	129	0	Partly Cl'dy	Cloudless	Cloudless	
23	30.22	67.4	65.4	63	72	54	18	67.5	N	7	149	0	Cloudless	Cloudless	Cloudless	
24	30.14	66.3	66.4	64	74	56	16	73.0	S E	5	122	0	Cloudless	Partly Cl'dy	Cloudless	
25	29.98	66.0	68.4	70	75	64	11	91.0	N E	7	197	0	Cloudy	Cloudy	Cloudy	
26	29.92	71.6	72.7	72	77	66	11	99.0	S	3	117	18	Heavy Rain	Cloudy	Cloudy	
27	30.06	72.0	74.1	74	83	66	9	93.5	S W	12	107	1.07	Sprinkling	Cloudy	Cloudy	
28	30.20	71.7	75.0	74	85	63	22	81.5	N	4	175	.02	Cloudy	Cloudy	Partly Cl'dy	
29	30.17	68.0	71.3	70	77	63	14	76.5	S W	3	75	.11	Partly Cl'dy	Cloudy	Partly Cl'dy	
30	30.05	76.2	78.8	78	87	68	19	90.5	N E	7	92	.64	Cloudy	Cloudy	Cloudless	
31	29.90	79.7	79.2	82	91	77	79	78.0	S W	5	186	0	Cloudless	Partly Cl'dy	Partly Cl'dy	
Month's Mean.	30.029	69.1	69.4	69.3	78.4	60.4	17.9	75.2	N	6.5	147.3	Total.	6.59			

\* T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.		TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and roots.)	
Monthly Mean, 30.029 inches.		Monthly Mean, 69.4 degrees.		Prevailing direction, S W.		Total number of days on which precipitation occurred, 10.		1873--72.3 deg.		1853--71.1 deg.	
Highest, 30.253 in.; Date, 22d.		Highest, 91 deg.; Dates, 8 & 31.		Max. hourly velocity, 6.1.		* Greatest 24 hour precipitation (in. and roots), 2.54 ; Date, 25th ; Total monthly precipitation (in. and roots), 6.59.		1874--72.2		1884--67.8	
Lowest, 29.727 in.; Date, 9th.		Lowest, 49 deg.; Dates, 21st, 22d.		Total monthly movement, 4.567 miles.		Total depth of snow fall (inches and roots), 0.		1875--72.5		1885--70.1	
Monthly range, .526 in.		Date, 21st.		Least daily range, 5 deg.; Date, 3d.		Dates of Thin. S. ms, 8, 13, 15, 17, 19		1876--74.0		1887--74.5	
		Mean daily range, 17.9 degrees.		Total excess or deficiency since Jan. 1 = + .263 degrees.		Total excess or deficiency of precipitation since Jan. 1 = + 1.06 in.		1877--74.0		1888--68.3	
								1878--73.2		1889--70.0	
								1880--73.5		1890--69.3	
								1881--70.7		1891--65.9	
								1882--71.6		1892--65.9	

Monthly mean humidity, 75.2 per cent. Monthly mean dew point, 60.8. Number of cloudless days, 10. Number of partly cloudy days, 13. Number of cloudy days, 8.

Dates of Solar Halos, 1st, 2d, 23d, 27th, 28th. Lunar Halos, none.

NOTES.—Observations taken on the 75th Meridian time. Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet ; Elevation of rain and snow gauges, 109 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A † in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF AUGUST, 1890.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of August, 1890.

The Census Population is only approximate, the exact enumeration is not yet published.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Self Murders.	
Ansonia.....	10,341	27	31.3	15	48.1					3	2						9	1	2		1			4	2	3	2
Bridgeport.....	48,739	78	18.9	46	59.0						1						19	4	9		2			4	2	22	5
Bristol.....	7,000	13	22.2	7	54.0						1						4	1	3		3			4	2	2	5
Danbury.....	19,434	31	19.1	16	51.6												13	1	3		1			2	1	1	3
Derby.....	5,958	14	28.1	8	57.1						1						8	1	3		2			2	1	1	3
Enfield.....	7,200	16	26.6	8	50.0												5	2	1					1	6	6	5
Greenwich.....	10,138	14	16.9	4	28.5						4						1	1	1					2	5	5	5
Groton.....	5,300	10	22.6	2	20.0					1							12	1	8					7	8	28	4
Hartford.....	53,000	82	13.3	20	24.1					1	3						6	1	4		10			2	6	1	1
Killingly.....	8,000	25	37.5	10	40.0												11	3	1		5			1	10	3	3
Manchester.....	7,200	6	10.0	3	50.0												1	1	3		2			6	1	1	7
Middletown.....	25,320	39	18.4	19	48.7						1						8	1	3		1			1	10	3	3
Naugatuck.....	6,219	12	23.1	4	33.3												1	1	3		2			1	9	9	9
New Britain.....	19,000	24	15.1	11	45.8												26	11	17		5			9	10	31	10
New Haven.....	85,834	148	18.4	60	40.5					5	3						10	2	1		2			2	16	2	2
New London.....	13,672	33	28.1	17	51.5												11	1	2		1			3	14	1	1
Norwalk.....	17,734	36	24.3	16	61.7					1							22	4	2		1			4	6	7	5
Norwich.....	23,000	47	24.5	29	61.7												2	1	1		1			1	1	1	1
Plainfield.....	5,000	9	21.6	3	33.3												1	1	1		1			1	10		
Putnam.....	6,800	12	21.5	5	41.6												3	1	2		1			2	1	1	10
Southampton.....	5,500	11	24.0	4	36.3												10	1	4		2			1	6		
Stamford.....	15,988	27	20.7	14	51.8												4	5	5		1			1	5		
Stamford.....	7,800	19	27.9	7	36.8						1						6	1	1		1			2	2		
Stamford.....	7,600	10	21.8	8	80.0												6	2	2		1			1	5		
Thompson.....	5,500	15	29.7	9	60.0												7	1	1		2			2	2		
Torrington.....	6,053	15	29.7	9	60.0						1						5	1	1		1			2	2		
Vernon.....	8,800	12	16.3	7	58.3						6						7	1	1		3			1	5		
Wallingford.....	8,800	12	16.3	7	58.3												5	1	1		2			2	2		
Wallingford.....	6,562	16	29.2	11	68.7												14	3	6		1			4	3	10	6
Waterbury.....	33,184	50	18.0	21	42.0					1							2	3	1		1			5	3	3	3
Winchester.....	6,174	16	31.0	5	31.2					1							4	1	1		2			1	3		
Windham.....	10,000	9	10.8	4	44.4												4	1	1		1			2	3		
Total of the 31 above towns.....	504,550	898	21.3	403	44.8				1	6	18		2	28	7	3	1	240	41	82	18	17	74	70	36	236	42
136 of less than 5,000 inhabitants.....	237,800	382	19.2	121	31.7				1	6	4		3	4	3			83	23	30	9	6	57	30	24	96	9
Total reported from 167 towns.....	742,350	1,280	20.6	524	40.9				2	12	22		5	32	10	3	1	323	64	112	27	23	131	100	60	332	51
Population of town not reporting.....	1,483																										

The Mortality in Public Institutions of the State were: in Bridgeport, 1; in Hartford, 23; in Middletown, 6; and in New Haven, 16. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in August: Andover, Ashford, Avon, Beacon Falls, Bethlehem, Bloomfield, Bolton, East Granby, Goshen, Hampton, Hartland, Harwinton, Hebron, Lyme, Marlborough, Middlefield, Milford, New Hartford, Norfolk, North Branford, Oxford, Pomfret, Rocky Hill, Scotland, Sprague, Tolland, Union, Warren, Woodbridge—29.

The Registrar of Saybrook made no report for August—population 1,483.

# REMARKS.

In addition to the above report of mortality, the office is in receipt of 31 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Ansonia, Bloomfield, Bolton, Bridgeport, Brooklyn, Chester, Coventry, East Haddam, Falls Village, Greenwich, Griswold, Guilford, Hebron, Hartford, New Hartford, Naugatuck, New Haven, Newtown, Norwalk, Norwich, Portland, Ridgefield, Rocky Hill, Roxbury, Salem, Stamford, Suffield, Watertown, Wethersfield, Westport and Windham—31.

The mortality report for August was received from every town in the State except Saybrook.

There were 1,280 deaths reported in August. This was 20 less than in July, and 90 more than in August of last year, and 27 more than the average mortality in August for the five years preceding the present.

The number of deaths in the first eight months of the year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1003	1278
August,	1280	1190	1433	1278	1208	1158

The death-rate was 21.3 for the large towns; for the small towns 19.2, and 20.6 for the whole State.

The deaths from Zymotic diseases were 495, being 38.6 per cent. of the total mortality against 38. per cent. in July. The large percentage is still due to excessive mortality from Diarrhoea.

The following infectious diseases were reported to the office as occurring in the towns mentioned:

Measles—Stamford—no deaths.

Scarlet Fever—Chester, Hamden, New Haven, Waterbury, Windham—2 deaths.

Cerebro-Spinal Fever—Ansonia, Cromwell, Griswold, Groton, Killingly, Portland, Seymour, South Windsor, West Hartford, Wilton, Winchester—12 deaths.

Diphtheria and Croup—Ansonia, Berlin, Bridgeport, Brooklyn (an epidemic originating from an imported case), Derby, Greenwich 9, Hartford, Hebron, New Haven, Norwalk, Norwich, Prospect, Windham—22 deaths.

Typhoid Fever—Colchester, Cromwell, Glastonbury, Griswold, Hartford, Meriden, Middletown, Naugatuck, New Britain, New Haven, New Hartford, New London, Norwich, Plainfield, Waterbury, Waterford, Windham—32 deaths.

Diarrhoea is reported as more generally prevalent than in July, although several correspondents mention it as abating in their towns. But 86 towns report fatal cases.—Total mortality 387, against 390 in July.

Acute disease of the lungs, only 50 fatal cases.

An epidemic of Diphtheria appeared in Brooklyn, the result of an imported case. The Sanitary Correspondent did not communicate further particulars. If the imported case was a pupil in the public schools it is easy to explain so wide a prevalence; but if in a private house, it would seem as if the usual and well known means of restricting it had been neglected.

An outbreak of Typhoid Fever occurred in New Haven. 20 cases were reported during the month, three-quarters of which were in one ward. The others are in widely separated parts of the town. No common source of infection has been discovered as yet by the health authorities, although they are still pursuing the investigation.

The methods by which the infection of Typhoid Fever is communicated, and the means of destroying are so well known and easily applied, that it is the obvious duty of the health authorities in every town to keep such supervision of all cases occurring, as to prevent the possibility of further infection from any of them.

## ABOUT BURIAL PERMITS.

The Superintendent of Registration of Vital Statistics receives many letters of enquiry asking in effect the following question: Does a Removal Permit authorize the burial of a deceased person without a Burial Permit from the Registrar of the town in which the burial occurs? For example: If a person dies in Litchfield and the Registrar of Litchfield issues a permit for the removal of the body to Old Saybrook for burial, does it require a burial permit from the Registrar of Old Saybrook to bury the body? The answer is, Yes, it does.

The Statute seems very plain and clear on such a case. It reads: "No deceased person shall be buried in any town until a burial permit \* \* \* has been given by the Registrar."—See Section 106 General Statutes.

The operation of this law was, however, modified by an act of the General Assembly of 1889 which relieves certain cemeteries from the necessity of procuring a burial permit, if the body is accompanied by "a certificate of the Registrar of the town in which the person died."

This law reads as follows: "When a Cemetery Association or Ecclesiastical Society owns or manages cemeteries in two adjoining towns, or in the town next adjoining the town in which such Cemetery Association or Ecclesiastical Society is located, a certificate of the Registrar of the town in which any person dies shall be sufficient to enable such Cemetery Association to bury such deceased person in any of the cemeteries owned or managed by such association in either of such towns or such adjoining towns."—Public Acts of General Assembly, 1889, p. 48, chapt. lxxxvii.

The Superintendent of Registration of Vital Statistics is not so well informed respecting the ownership and management of cemeteries that he knows which or how many cemeteries in Connecticut enjoy this peculiar and special privilege of receiving bodies for burial without a burial permit from the Registrar of the town in which they are located.

Registrars of towns will need to acquire this information about the ownership and management of cemeteries in their own localities and govern themselves accordingly.

As the law stands now, it requires a burial permit in every instance from the Registrar of the town in which the cemetery is located, unless the cemetery is owned or managed by an association or church society located in an adjoining town, or one which owns and manages two cemeteries in adjoining towns. In cemeteries under such control, no burial permit is required. Such cemeteries may receive and bury the bodies of deceased persons on the authority of "a certificate of the Registrar of the town" in which the person died. The law does not even say what the certificate shall certify. But such is the law and while it is such it should be obeyed. It has long been the opinion of the Superintendent, that the Removal Permit should also authorize the burial in any cemetery in the State. The certificate of death returned to the Registrar of the town in which the death occurred supplies all the necessities of a record, and it seems to be imposing an unnecessary burden to require the "Removal Permit" to be exchanged for a "Burial Permit" in another town. Another effort will be made with the next Legislature to bring about that modification of the law. The attempt failed with the last Legislature.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, September 15, 1890.

# METEOROLOGICAL REPORT FOR THE MONTH OF AUGUST, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER†	TEMPERATURE‡			RELATIVE HUMIDITY‡			WIND.			PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	Daily Movement.		8 A. M.	8 P. M.	
		Bar.	Therm.	Therm.	Bar.	Therm.	Therm.	Dir.	Vel.	Dir.				
1	30.008	75.0	75.9	78.5	72.1	75.0	75.0	N	6	S	0	Cloudy	Cloudy	Cloudy
2	30.017	75.8	76.4	78.1	72.1	75.0	75.0	S	6	S	0	Cloudy	Cloudy	Partly Cloudy
3	30.017	76.8	77.4	79.1	72.1	75.0	75.0	S	8	S	0	Cloudy	Cloudy	Cloudless
4	30.017	76.8	77.4	79.1	72.1	75.0	75.0	S	8	S	0	Cloudy	Cloudy	Partly Cloudy
5	30.017	76.8	77.4	79.1	72.1	75.0	75.0	S	8	S	0	Cloudy	Cloudy	Partly Cloudy
6	30.017	76.8	77.4	79.1	72.1	75.0	75.0	S	8	S	0	Cloudy	Cloudy	Cloudless
7	30.011	72.0	74.1	72.1	63.1	65.1	64.1	W	4	W	0	Cloudy	Cloudy	Cloudy
8	30.011	72.0	74.1	72.1	63.1	65.1	64.1	W	4	W	0	Cloudy	Cloudy	Cloudy
9	29.993	64.6	67.5	68.2	63.1	65.1	64.1	N	4	N	0	Light Rain	Cloudy	Cloudy
10	29.975	74.5	67.7	74.1	62.1	65.1	64.1	N	5	N	0	Cloudless	Cloudy	Cloudy
11	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
12	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
13	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
14	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
15	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
16	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
17	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
18	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
19	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
20	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
21	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
22	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
23	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
24	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
25	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
26	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
27	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
28	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
29	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
30	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
31	29.955	64.5	67.4	67.1	61.1	64.1	63.1	N	5	N	0	Cloudless	Cloudy	Cloudy
Month Ave.	30.008	67.9	68.9	69.0	61.6	61.6	61.6	N	6.4	S	14.9	Total.		
									5.9		2.07			

\*† Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
		Prevailing direction, N. W.	Mean hourly velocity, 6.4	Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.		
Monthly Mean, 30.008 inches.	Monthly Mean, 69.1 degrees.	Mean hourly velocity, 6.4	Mean hourly velocity, 6.4	Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1873. - 69.0 deg.	1873. - 9.90
Highest, 30.245 in.; Date, 16th.	Highest, 82 deg.; Date, 1st.	Max. hourly velocity and direction, 27 miles S. Date, 27th.	Max. hourly velocity and direction, 27 miles S. Date, 27th.	Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1884. - 69.1	1884. - 5.60
Lowest, 29.952 in.; Date, 27th.	Lowest, 61 deg.; Date, 1st.	Total monthly movement, 4,798 miles.	Total monthly movement, 4,798 miles.	Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1885. - 67.8	1885. - 8.13
Monthly range, .693 in.	Monthly range, 26 deg.; Date, 26th.			Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1886. - 68.2	1886. - 4.56
	Least, daily range, 9 deg.; Date, 9th.			Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1887. - 67.8	1887. - 4.80
	Mean daily range, 15.0 degrees.			Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1888. - 69.2	1888. - 7.10
	Total excess or deficiency since Jan. 1 = + 226 degrees.			Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1889. - 68.5	1889. - 4.38
				Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1890. - 69.1	1890. - 2.67
				Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1891. - 71.2	1891. - 2.51
				Total number of days on which precipitation occurred, 10.	*Greatest at hour precipitation (in. and tenths), 1.8 : Date, 27th.	1892. - 69.7	1892. - 0.26

Monthly mean humidity, 87.6 per cent. Monthly mean dew point, 62.4. Number of cloudless days, 5. Number of partly cloudy days, 11. Number of cloudy days, 15.

Dates of Solar Halos, none.

† Barometer readings reduced to sea-level and temperature of 32.

‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero.

\* Snow is melted and resulting amount of water recorded. A "1" in rainfall column indicates precipitation too small to measure.

† Humidity relative, saturation being 100.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF SEPTEMBER, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of September, 1890.

The Census Population is only approximate, the exact enumeration is not yet published.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Fuempertal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,340	12	13.9	6	50.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bridgeport.....	48,740	70	15.2	24	34.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bristol.....	7,380	10	16.2	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	19,430	21	12.9	9	43.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby.....	5,960	5	10.0	2	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	7,200	12	20.0	3	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	10,140	10	11.8	5	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,500	1	2.1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,000	75	14.2	15	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly.....	7,040	12	20.4	4	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,200	11	16.0	5	45.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.....	25,320	24	11.3	3	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.....	15,100	25	15.9	5	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Namasket.....	6,220	24	15.3	1	4.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,830	108	13.8	26	24.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	17,720	31	20.9	8	25.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	17,720	31	20.9	8	25.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.....	23,030	48	20.9	16	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	6,500	14	25.8	7	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam.....	5,500	5	10.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	15,850	19	14.6	8	42.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	7,800	9	13.8	2	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	5,500	7	15.2	4	57.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	6,050	8	15.8	3	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	8,800	10	13.6	4	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	6,560	7	12.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	33,180	50	18.0	24	48.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	6,170	7	13.6	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	10,000	16	19.2	1	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	500,580	683	16.3	222	32.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
137 of less than 5,000 inhabitants.....	241,778	323	16.0	78	24.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 167 towns.....	742,358	1006	16.2	300	29.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of town not reporting.....	1,920	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 8; in Hartford, 12; in Middletown, 5; and in New Haven, 9. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in September: Ashford, Beacon Falls, Berlin, Bethany, Bloomfield, Chaplin, Chester, Clinton, Columbia, Coventry, Durham, Easton, East Haven, East Windsor, Franklin, Hampton, Hartford, Harwinton, Killingworth, Ledyard, Litchfield, Middlebury, Morris, New Fairfield, Newington, North Brantford, North Stonington, Old Lyme, Prospect, Scotland, Tolland, Warren, Westbrook and Wolcott-34.

The Registrar of Mansfield has made no report for September.

Erratum.—In the September "Bulletin" New Hartford was reported as having no deaths.—It was an error.—It should have read New Fairfield.

# REMARKS.

In addition to the above report of mortality, the office is in receipt of 27 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Ansonia, Ashford, Bolton, Bridgeport, Brooklyn, Chester, Cornwall, Coventry East Haddam, Greenwich, Griswold, Guilford, Hartford, Haddam, Hebron, Naugatuck, New Hartford, New Haven, Norwalk, Norwich, Ridgefield, Salem, Stafford, Stamford, Suffield, Wethersfield, Westport and Windham—27.

The mortality report for September has been received from every town in the State except Mansfield.

There were 1,006 deaths reported in September. This was 274 less than in August, and 34 less than in September of last year, and 18 more than the average mortality in September for the five years preceding the present.

The number of deaths in the first nine months of the year compared with the same of each of the five years preceding was as follows :

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1093	1278
August,	1280	1190	1433	1278	1208	1158
September,	1006	1040	1032	1004	974	888
3d quarter,	3586	3559	3653	3931	3275	3324
Total for 9 mos.	10393	9352	9847	9484	8822	9491

In the first nine months of the year the number of deaths was 10,393, being 1041 more than in the corresponding months of last year, and 994 more than the average in the same months for the last five years.

The death-rate was 16.3 for the large towns; for the small towns 16.0, and 16.2 for the whole State.

The deaths from Zymotic diseases were 255, being 25.3 per cent. of the total mortality against 38.6 per cent. in August.

The following infectious diseases were reported to the office as occurring in the towns mentioned :

**Measles**—Stamford—no deaths.

**Scarlet Fever**—Ansonia, Groton, Naugatuck, New Haven, Norwalk, Stamford—1 death.

**Cerebro-Spinal Fever**—Ansonia, Danbury, Norwich—4 deaths.

**Diphtheria and Croup**—Bridgeport, Brookfield, Brooklyn, Danbury, Eastford, Enfield, Fairfield, Greenwich, Guilford, Hartford, Killingly, New Haven, Norwalk, Norwich, Stamford, Union, Waterbury, Windham—37 deaths.

**Typhoid Fever**—Brooklyn, Farmington, Glastonbury, Greenwich, Griswold, Haddam, Hartford, Huntington, Killingly, Manchester, Middletown, Naugatuck, New Britain, New Canaan, New Hartford, New Haven, New London, Norwalk, Preston, Stafford, Stamford, Wallingford, Waterbury, Windham, Woodbury—46 deaths.

Diphtheria and Croup are reported from more towns than in August, and the mortality has considerably increased:

The most decided and sudden outbreak of Diphtheria of severe character occurred at Taftville, a suburb of the City of Norwich. Seven or more deaths have resulted. It was confined to the children of the French Canadian residents, employed in the Ponemah mills.

The sanitary condition of their homes was far from satisfactory, especially in regard to the disposal of sewage and the probable pollution of the wells.

The Board of Health of Norwich being notified took immediate action, and by the prompt and energetic measures adopted by Drs. Cassidy and Paddock the progress of the disease has been arrested.

It affords another practical illustration of what judicious and efficient health officers can accomplish.

Typhoid fever has also increased, both in the extent of its prevalence and in the resulting mortality. The increased prevalence is general throughout the State. It is reported as present in every county in Connecticut, and very much in proportion to the county population.

Thus—Five towns in Hartford county report its presence; Four in New Haven county; Three in New London county; Five in Fairfield; Three in Windham; Two in Litchfield; Two in Middlesex and one in Tolland county.

There were 46 deaths from the disease as against 32 in August.

Diarrhoeal diseases have greatly diminished, the reported mortality being only a little more than one-third of that in August. But the acute diseases of the lungs have been more fatal. The above differences in the causes of mortality are of annual recurrence and incidental to influences connected with the season.

## ABOUT HEALTH OFFICERS.

The annual Town elections have just been held and there seems to be in many towns, a curious misconception of the meaning of the law of the State, in regard to the election of Health officers.

The statute, (Section 2590) clearly says that at the Annual Meeting of the Board of Health in each town, "the officers of said Board shall be elected, including a health officer or a health committee." And in Section 2591 the law reads "it shall be the duty of each town Board of Health to report to the Secretary of the State Board of Health the names of all officers or committees elected, within ten days after such election."

Yet some towns persistently elect annually and report to the State Secretary both a health officer and a health committee.

The election of so many officials is not a work of supererogation, because it does not in the least degree make amends for or atone for the sin of omission in such towns as neglect the duty altogether. Moreover, these supernumeraries are liable to involve the local sanitary administration in confusion and difficulty.

The law distinctly says "a health officer or a health committee" and most certainly does not intend the election of both in the same town.

The absurdity of such an interpretation is at once apparent from the following language in the same section "The health officer or the health committee shall have all the powers of the Board of Health."

Is it not extremely unreasonable that the State should require the election of an official in every town and also provide for the election of other officials at the same time, under a different title, but having independent jurisdiction over the same territory with identically the same powers, duties and responsibilities as the other one elected? Most assuredly there should be only a "health officer" or only a "health committee" in each town—not both in one town.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, October 15, 1890.



# METEOROLOGICAL REPORT FOR THE MONTH OF SEPT., 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡				WIND.				Precipitation. Inches. Snow falling.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Daily Mean.	8 A. M.	8 P. M.	Range.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Move- ment.		Max. Vele- city.	8 A. M.		8 P. M.
								Direction.	Vel. per hr.	Direc- tion.	Vel.						
1	30.24	61.4	64.0	24.	78	79	78.5	6	N W	6	0	0	80	10	0	Cloudless	Cloudless
2	30.25	65.4	65.3	51.	78	79	78.5	0	0	0	0	3	103	15	0	Cloudless	Cloudless
3	30.22	67.0	69.5	68.	80	84	82.0	1	N W	1	0	3	59	10	0	Cloudless	Cloudless
4	30.21	64.1	67.0	69.	80	87	82.5	1	E	1	0	3	78	10	0	Cloudy	Cloudless
5	30.14	66.8	70.0	70.	83	90	83.0	5	SW	5	0	2	114	16	-30	Cloudy	Cloudy
6	30.04	69.9	72.1	72.	79	64	95	95.5	S	1	0	1	51	6	-19	Foggy	Cloudy
7	30.10	67.0	70.1	72.	78	65	93	90.5	N E	3	0	3	127	10	0	Cloudless	Cloudless
8	30.16	63.2	67.0	74.	73	55	88	87.0	N E	6	0	4	129	10	0	Cloudless	Partly Cloudy
9	30.17	67.4	65.6	69.	75	63	88	85.5	SW	3	0	7	122	11	0	Cloudy	Cloudy
10	30.31	57.4	57.2	58.	80	93	89	89.5	N E	9	0	8	223	16	-05	Cloudy	Cloudy
11	30.27	59.0	62.0	60.	67	53	95	89.0	N E	12	0	6	202	14	-01	Cloudy	Cloudy
12	30.12	61.1	71.0	68.	77	59	98	98.0	N E	6	0	12	197	14	-40	Cloudy	Cloudy
13	29.95	73.0	71.8	74.	73	70	88	96.5	S	14	0	6	352	25	-49	Cloudy	Cloudy
14	30.14	60.5	59.6	61.	63	59	98	83.0	N	12	0	1	123	13	-25	Cloudy	Cloudy
15	30.11	62.4	65.0	64.	72	57	99	99.0	0	0	0	3	52	10	1.07	Heavy Rain	Heavy Rain
16	29.95	65.9	67.1	68.	73	64	99	94.0	N	1	0	8	155	13	-41	Cloudy	Cloudy
17	29.78	64.6	66.6	67.	74	60	92	94.5	N	-9	0	2	201	18	1.60	Cloudy	Cloudy
18	29.98	64.0	63.7	66.	74	58	90	87.0	N	-9	0	3	128	12	0	Cloudless	Cloudless
19	30.09	68.3	65.8	68.	74	60	85	72.5	N W	5	0	6	156	17	0	Cloudless	Cloudless
20	30.06	68.0	67.7	68.	77	58	88	83	SW	5	0	8	95	14	0	Cloudless	Cloudless
21	30.19	53.4	55.2	56.	65.	48	93	75.5	N W	0	0	1	197	17	0	Cloudless	Cloudless
22	29.90	60.4	62.1	63.	71	42	87	80.0	0	1	0	1	197	17	0	Cloudless	Cloudless
23	30.04	53.0	61.0	54.	61	42	73	68	SW	2	0	2	177	14	0	Cloudless	Cloudless
24	30.22	53.0	49.4	54.	60	40	77	70.5	N W	16	0	6	112	14	0	Cloudless	Cloudless
25	30.30	45.0	56.7	48.	60	36	74	76.0	N W	2	0	6	112	14	0	Cloudless	Cloudless
26	30.00	56.2	62.2	60.	68	51	77	92	0	0	0	2	66	13	-40	Cloudy	Cloudy
27	30.04	62.1	58.0	64.	71	58	82	94.5	E	2	0	6	100	12	-02	Partly Cloudy	Partly Cloudy
28	30.29	46.9	50.1	52.	59	44	73	82.0	N E	1	0	2	233	23	0	Partly Cloudy	Partly Cloudy
29	30.36	48.1	51.6	52.	63	40	81	73.0	N E	16	0	2	176	19	-05	Cloudless	Cloudless
30	30.25	50.0	62.0	56.	72	39	80	72.0	N W	1	0	4	67	8	0	Cloudless	Cloudless
Month's Average.	30.130	60.7	62.6	62.0	71.2	85.0	85.6	5.4	N W	5.4	S & N W	4.4	131.1	13.7	Total 5.38		

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and rooths.)	
	Monthly Mean, 62.8 degrees. Highest, 80 deg.; Date, 3d. Lowest, 36 deg.; Date, 25th. Absolute range, 44 degrees. Greatest daily range, 33 deg.; Date, 30th. Least daily range, 4 deg.; Date, 14th. Mean daily range, 16.7 degrees. Total excess or deficiency since Jan. 1 = + .260 degrees.		Prevailing direction, N. W. Mean hourly velocity, 5.5. Max. hourly velocity and direction, 25 miles S. Date, 13th. Total monthly movement, 3,933 miles.		Total number of days on which precipitation occurred, 13. *Greatest 24 hour precipitation, (in. and rooths), 1.60; Date, 16, 17th; Total monthly precipitation (in. and rooths), 5.38. Total depth of snow fall (inches and rooths), 0. Dates of Thun.Srns, 5.6, 13, 16, 17, 1881. Total excess or deficiency since Jan. 1 = -0.35 in.		1873.-.62,7 deg. 1874.-.64,8 " 1875.-.62,3 " 1876.-.61,3 " 1877.-.65,6 " 1878.-.65,6 " 1879.-.62,0 " 1880.-.64,3 " 1881.-.69,6 " 1882.-.64,5 "		1873.-.212 1883.-.243 1874.-.407 1884.-.141 1875.-.210 1885.-.077 1876.-.534 1886.-.235 1877.-.113 1887.-.221 1878.-.767 1888.-.768 1879.-.213 1889.-.498 1880.-.373 1890.-.538 1881.-.145 1882.-.1343	

Monthly mean humidity, 85.3 per cent. Monthly mean dew point, 57.0. Number of cloudless days, 13. Number of partly cloudy days, 14. Dates of Solar Halos, 2d, 22d, 25th, 28th. Date of Lunar Halos, 28th. Dates of Frost, 25th, 30th.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

# STATE BOARD OF HEALTH

FOR THE

MONTH OF OCTOBER, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of October, 1890.

The Census Population is only approximate, the exact enumeration is not yet published.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of years to total.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,340	14	10.3	5	36.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bridgeport.....	48,740	66	15.3	23	34.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bristol.....	7,380	12	19.5	1	8.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	10,430	22	13.5	6	27.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby.....	5,960	7	14.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	7,200	13	18.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	10,140	15	15.3	1	7.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,500	5	10.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,000	78	14.7	18	23.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly.....	7,040	18	15.2	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	8,200	34	17.5	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	25,320	34	11.1	5	14.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Menden.....	15,120	20	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	15,120	20	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.....	10,000	6	11.5	1	10.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	10,000	23	14.5	8	35.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	85,830	124	14.6	24	19.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	13,780	21	18.2	9	43.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	17,720	17	11.5	1	6.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norfolk.....	23,030	37	19.2	17	46.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	6,500	6	11.0	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam.....	5,500	8	17.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	15,580	8	6.1	2	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	7,800	8	12.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	5,500	6	13.0	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	6,950	7	13.8	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	8,800	9	12.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	6,560	5	9.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	33,180	60	21.7	19	31.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	6,170	4	7.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	10,000	13	15.6	2	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	500,580	667	15.9	155	23.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
131 of less than 5,000 inhabitants.....	240,880	327	16.3	53	16.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 165 towns.....	741,460	994	16	208	20.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reported.....	2,818	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 11; in Middletown, 11; and in New Haven, 19. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in October: Barkhamsted, Beacon Falls, Bolton, Chaplin, Coventry, East Haven, Franklin, Hampton, Hebron, Kent, Lisbon, Morris, New Milford, Prospect, South Windsor, Tolland, Union, Warren, Willington—19.

The Registrars of the following towns have made no report for October: Columbia, Ellington, Middlebury—3.



# REMARKS.

In addition to the above report of mortality, the office is in receipt of 23 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are Avon, Bolton, Bridgeport, Chester, Coventry, Durham, East Haddam, Greenwich, Griswold, Guilford, Hartford, Hebron, New Hartford, Norwalk, Rocky Hill, Ridgefield, Salem, Stamford, Suffield, West Hartford, Westport, Wethersfield and Windham—23.

The mortality report has been received from every town in the State except Columbia, Ellington, and Middlebury.

There were 994 reported in October. This was 12 less than in September, and 33 less than in October of last year, and 66 more than the average mortality in October for the five years preceding the present.

The number of deaths in the first ten months of the year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1093	1278
August,	1280	1190	1433	1278	1208	1158
September,	1006	1040	1032	1004	974	888
3d quarter,	3586	3559	3653	3931	3275	3324
Total for 9 mos.	10393	9352	9847	9484	8822	9491
October,	994	1027	959	839	969	848

In the first ten months of the year the number of deaths was 11,387, being 1008 more than in the corresponding months of last year, and 1062 more than the average in the same months for the last five years.

The death-rate was 15.9 for the large towns; for the small towns 16.3, and 16.0 for the whole State.

The deaths from Zymotic diseases were 202, being 20.3 per cent. of the total mortality against 25.3 per cent. in September.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport—no deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Mansfield, Norwalk, Stamford, and Windham—6 deaths.

**Cerebro-Spinal Fever**—Bristol, Canterbury, Danbury, Derby, Hartford, North Canaan, Waterford—8 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Eastford, Greenwich, Hartford, Huntington, Killingly, Meriden, Milford, New Britain, New Hartford, New Haven, Norwalk, Norwich, Plymouth, Voluntown, Waterbury, Windham—51 deaths.

**Typhoid Fever**—Avon, Branford, Bridgeport, Bristol, Chatham, Cheshire, Chester, Clinton, Colebrook, Cromwell, Danbury, Griswold, Hartford, Ledyard, Meriden, Moodus, New Britain, New Fairfield, New Hartford, New Haven, New London, Norwalk, Norwich, Portland, Ridgefield, Somers, Stamford, Sterling, Suffield, Torrington, Vernon, Waterbury, Waterford, Watertown, West Hartford, Windham—56 deaths.

The general health of the State has not varied much from the average standard which obtains at this season of the year. Typhoid Fever has prevailed somewhat more than in the same month last year, although not so much as in October, 1888. Dr. Gregory of Norwalk reported twelve cases originating from the drinking of polluted well water. The general prevalence of the disease throughout the State is indicated by

the large number of towns which report its presence. If a report could be secured in every town in the State, I have no doubt many other towns would be found to have had cases of it.

Dr. Markham of Durham reports a return of "La Grippe," which he says "has developed all sorts of Catarrhal troubles, principally of the bowels," including "8 cases of Dysentery."

Health Officer FitzGibbons of Bridgeport attributes an outbreak of Diphtheria in old tenements, to the use of water from an old well which was of suspicious virtue. It was ordered closed and the disease disappeared.

Dr. Todd of Ridgefield writes: "A disease which has not appeared here for years has been prevalent among children—A gastro-duodinitis, with Jaundice more or less marked.

October is usually considered one of the healthy months, in this climate, and the past month has fairly maintained the reputation.

## ABOUT CONTAGIOUS DISEASES.

There is a certain well-defined list of diseases which are commonly known to be "catching." Healthy persons catch them from those who are sick with them. Small Pox, Measles, Scarlet Fever are well known examples of this list. Persons sick with these diseases reproduce in their diseased bodies, the specific infections which made them sick. So that others approaching them receive the infection and are made sick also. Such sick persons can also infect things and places, so that others in contact with such infected things and places, though the sick person be absent, will also receive the infection and be made sick. The above statements are not in dispute—no one questions them,—they are settled and accepted facts. It is also true that the only way to acquire any of these contagious diseases is by exposure to the presence of such sick persons or to such infected places or things. It follows as the inexorable logic of these facts, that the spread of these diseases is due to the transmission of the infections which produce them to the persons who catch them; that is to their exposure to the infected persons, places or things. And that if persons had not been so exposed they would not have had the diseases.

During the 31 days of last month, nearly 70 persons, in this State mostly children, perished from such exposure. Then again, there were many sick, who did not die, so that probably for the 60 and odd deaths there were 500 or 600 ill, who have fully or partially recovered.

From the known facts about contagious diseases, it will be admitted that none of these cases would have occurred, if the sufferers, mostly children, had not been permitted to expose themselves to these infections. In other words, these deaths were avoidable. Bereaved families need not now be in grief for lost loved ones, or have been anxious about the 500 or 600 sufferers if due precautions had been taken against exposure to infected persons, places and things. But neglect of proper care is almost the universal practice. Boards of health in vain enact regulations requiring parents and physicians to report contagious diseases. Too often both ignore the law or neglect it until a contagious disease has become epidemic in the neighborhood. Houses containing cases of Scarlet Fever or Diphtheria are not closed to the friendly visits of neighbors; indeed the presence of these diseases is often purposely concealed, and there is good evidence that even the physician is sometimes *particeps criminis* in such concealment. And thus the deadly poison of these maladies is allowed to work its fatal effects upon other people. Convalescent children with Scarlet Fever or Diphtheria are sent to school or even the Sunday School while they are still active centers of contagion. If such culpable disregard of public safety is not a crime against the community, then the careless switchman who derails a passenger train, or the heedless engineer who plunges it into an open drawbridge are not criminals, and incendiarism and burglary are trivial misdemeanors.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, November 15, 1890.

# METEOROLOGICAL REPORT FOR THE MONTH OF OCTOBER 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER. Daily Mean.	TEMPERATURE.†				RELATIVE HUMIDITY.‡		WIND.				PRECIPITATION. Inches and tenths.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		8 A. M.	8 P. M.	Daily Mean.	Range.	8 A. M.	8 P. M.	8 A. M.		8 P. M.			Max. Velocity.	Direction.	
								Direction.	Vel. m. per h.	Direction.	Vel.				
1	30.29	58.7	59.4	58.	73.	74	85	N	9	E	1	112	0	Cloudless	Cloudless
2	30.07	58.4	60.0	58.	69.	78	92	N	8	E	1	53	0	Partly Cl'dy	Cloudy
3	30.06	59.0	65.1	62.	68.	92	94	N	6	E	3	102	.19	Sprinkling	Light Rain
4	29.81	61.3	66.	66.	73.	86	92	N	8	E	0	122	.83	Partly Cl'dy	Cloudless
5	29.78	61.3	66.0	64.	70.	84	73	N	4	N	4	136	0	Partly Cl'dy	Cloudless
6	29.84	51.1	50.1	52.	57.	83	90	N	1	N	3	49	.21	Cloudy	Light Rain
7	29.88	48.0	45.1	48.	50.	85	86	N	10	E	9	209	.59	Light Rain	Cloudy
8	30.09	48.1	49.0	51.	58.	84	78	N	1	N	1	90	0	Partly Cl'dy	Cloudless
9	30.13	47.5	53.3	52.	62.	81	93	N	2	N	4	81	.01	Cloudless	Partly Cl'dy
10	30.13	48.0	51.1	52.	62.	74	71	N	7	W	8	147	.08	Partly Cl'dy	Cloudy
11	29.94	55.4	51.8	56.	61.	71	75	N	1	N	1	136	0	Cloudy	Cloudless
12	29.97	47.4	47.4	58.	59.	73	77	N	5	N	2	98	.14	Partly Cl'dy	Partly Cl'dy
13	30.78	43.0	51.2	48.	59.	73	77	N	0	N	0	58	.43	Cloudy	Cloudless
14	30.01	52.1	54.3	51.	55.	86	94	W	4	W	6	85	0	Light Rain	Light Rain
15	30.07	50.0	53.2	54.	64.	73	86	W	1	S	19	132	.16	Cloudless	Cloudless
16	30.06	58.0	56.0	60.	65.	69	84	W	0	S	12	122	1.16	Partly Cl'dy	Partly Cl'dy
17	29.95	51.2	53.2	55.	65.	69	84	W	10	N	14	400	0	Cloudless	Cloudless
18	29.55	57.0	57.6	52.	60.	44	16	W	4	W	8	101	1.91	Cloudy	Cloudy
19	30.10	45.1	45.4	47.	50.	44	16	W	26	W	2	185	0	Cloudy	Cloudy
20	30.10	40.1	47.2	44.	57.	43	31	N	14	N	4	77	.06	Cloudy	Partly Cl'dy
21	30.38	38.9	42.7	44.	55.	33	22	N	3	S	1	124	0	Cloudless	Cloudless
22	30.31	39.2	41.4	43.	49.	37	12	N	8	N	15	241	.14	Cloudy	Light Rain
23	30.21	40.0	45.2	45.	49.	41.	8	N	18	N	24	551	.81	Cloudy	Light Rain
24	29.65	47.0	45.2	45.	49.	39	9	N	2	N	2	289	.71	Cloudy	Cloudy
25	29.72	41.3	42.6	44.	48.	39	14	N	0	N	12	102	0	Cloudy	Cloudless
26	29.62	41.5	41.0	46.	53.	37	15	N	15	N	12	300	.04	Partly Cl'dy	Partly Cl'dy
27	29.47	44.6	44.3	44.	52.	40	8	W	12	W	4	200	0	Cloudy	Cloudy
28	29.57	42.0	42.1	44.	48.	40	8	W	15	W	12	37	.19	Cloudy	Light Rain
29	29.42	41.2	41.0	44.	49.	39	10	N	0	N	1	14	.14	Cloudy	Cloudy
30	29.72	43.0	43.6	43.	40.	13	77	SW	6	W	10	194	0	Partly Cl'dy	Partly Cl'dy
31	29.94	39.0	41.2	44.	53.	75	72	W	1	W	1	66	0	Cloudless	Cloudless
Month	29.901	49.1	59.6	51.3	58.4	44.2	14.2	N	6.5	NE&NW	4.9	153.2	7.63	Total.	

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)
		Prevailing direction, N. E.	Total number of days on which precipitation occurred, 16.		1873--52.7 deg.	1883--49.0 deg.	
Monthly Mean, 29.901 inches.	Monthly Mean, 51.3 degrees.	Mean hourly velocity, 6.4.	*Greatest 24 hour precipitation (in. and tenths), 1.97; Date, 19.20th. Total monthly, 7.63 inches (in. and tenths), 7.63.		1874--52.8 "	1884--53.2 "	1873--7.18 1883--5.87
Highest, 30.386 in.; Date, 22d.	Lowest, 33.9 deg.; Date, 22d.	Max. hourly velocity and direction, 40 miles W. Date, 17th.	Total monthly movement, 47.50 miles.		1875--52.8 "	1885--53.8 "	1874--3.86 1884--2.41
Lowest, 29.354 in.; Date, 29th.	Greatest daily range, 23 deg.; Date, 13th.	Least daily range, 5 deg.; Date, 7th.			1876--52.8 "	1885--53.8 "	1875--3.18 1885--5.37
Monthly range, 1.032 in.	Mean daily range, 14.2 degrees. Total excess or deficiency since Jan. 1 = + 133 degrees.				1877--52.8 "	1885--53.8 "	1876--1.07 1886--1.95
					1878--52.8 "	1885--53.8 "	1877--1.07 1887--3.24
					1879--52.8 "	1885--53.8 "	1878--2.43 1888--6.46
					1880--52.8 "	1885--53.8 "	1879--1.41 1889--3.96
					1881--52.8 "	1885--53.8 "	1880--4.07 1890--7.63
					1882--52.8 "	1885--53.8 "	1881--3.78 1892--3.54

Monthly mean humidity, 80.4 per cent. Monthly mean dew point, 43.7. Number of cloudless days, 11. Number of cloudy days, 15.

Dates of Solar Halos, 2d, 9th, 16th, 21st, 26th, 27th. Date of Lunar Halos, 22d. Dates of Frost, 13th, 20th, 31st. Water Spout, 19th.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea level and temperature of 32. Elevation of thermometers above the ground, 113 feet.

Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF NOVEMBER, 1890.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of November, 1890.

The Census Population is only approximate, the exact enumeration is not yet published.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.....	10,340	17	19.7	4	23.5	—	—	1	—	1	1	—	—	—	—	—	—	—	3	1	1	—	—	2	7	—	
Bridgeport.....	48,740	64	15.2	16	25.0	—	—	1	—	6	—	—	—	1	—	—	1	3	1	8	7	4	10	1	3	18	5
Bristol.....	7,380	12	19.5	3	25.0	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Danbury.....	19,430	21	12.9	4	19.0	—	—	—	—	1	—	—	1	—	—	—	1	1	4	1	1	2	2	1	6	—	
Derby.....	5,960	6	12.1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	1	2	2	—	—	
Enfield.....	7,200	12	20.0	1	8.3	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	1	—	5	—	—	—	
Greenwich.....	10,140	8	9.5	—	—	—	—	—	—	1	—	—	3	—	—	—	—	—	—	1	1	—	2	—	—	—	
Groton.....	5,500	6	13.1	1	16.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	—	—	
Hartford.....	53,000	82	15.8	17	20.7	—	—	1	9	4	—	—	4	2	—	—	1	1	12	2	3	13	8	4	22	6	
Killingly.....	7,040	16	27.2	8	50.0	—	—	—	2	—	—	—	—	—	—	—	—	—	—	1	1	2	1	—	—	—	
Manchester.....	8,200	9	13.2	4	44.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Meriden.....	25,320	31	14.6	10	32.2	—	—	—	—	3	—	—	1	—	—	—	—	—	7	4	2	3	1	2	—	—	
Middletown.....	15,100	17	10.3	5	29.0	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	
Naugatuck.....	6,220	13	25.1	2	15.4	—	—	—	—	—	—	—	2	—	—	—	—	—	—	2	2	—	—	—	—	—	
New Britain.....	19,000	23	14.5	6	26.3	—	—	—	—	1	—	—	3	—	—	—	—	—	1	2	2	—	—	—	—	—	
New Haven.....	85,830	108	13.4	15	13.8	—	—	1	—	6	1	—	3	—	—	—	—	—	1	15	9	13	9	9	33	13	
New London.....	13,780	22	19.2	3	13.6	—	—	—	—	1	—	—	1	—	—	—	—	—	4	1	1	5	4	3	8	2	
Norfolk.....	17,730	31	20.9	3	9.6	—	—	—	—	—	—	—	1	—	—	—	—	—	1	9	5	4	2	1	—	—	
Norwich.....	23,030	20	13.5	7	27.0	—	—	—	—	2	—	—	1	—	—	—	—	—	1	3	3	6	1	—	—	—	
Powhatan.....	6,500	4	7.4	1	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Southington.....	5,500	11	24.4	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	2	—	—	—	
Stamford.....	15,580	23	17.7	2	8.7	—	—	1	3	2	—	—	—	—	—	—	1	—	1	—	1	9	4	1	1	3	
Stonington.....	7,800	7	17.7	2	28.6	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	1	1	—	—	—	
Thompson.....	5,500	6	13.0	1	16.6	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Torrington.....	8,800	4	7.9	2	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	
Vernon.....	6,500	3	5.4	2	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	
Wallingford.....	6,560	3	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	
Waterbury.....	33,180	38	13.7	5	13.1	—	—	1	3	3	—	—	2	—	—	—	—	—	8	4	2	5	4	3	6	4	
Winchester.....	6,170	11	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	—	5	1	—	—	
Windham.....	10,000	9	10.8	4	44.4	—	—	—	—	1	—	—	1	—	—	—	1	—	1	1	1	3	—	—	—	—	
Total of the 30 above towns.....	500,580	644	15.4	128	19.8	—	—	4	13	42	2	—	26	4	2	2	8	4	95	49	31	83	60	38	178	47	
138 of less than 5,000 inhabitants.....	243,698	290	14.3	34	11.7	—	1	1	4	6	2	—	13	3	2	1	1	4	28	28	12	39	31	10	104	4	
Total reported from 168 towns.....	744,278	934	15.	162	17.3	—	1	5	17	48	4	—	39	7	4	3	9	8	123	77	46	122	91	48	282	51	

The Mortality in Public Institutions of the State, were: in Bridgeport, 2; in Hartford, 12; in Middletown, 4; and in New Haven, 12. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in November: Andover, Avon, Beacon Falls, Bethany, Bethlehem, Bolton, Bridgegewater, Chaplin, Chester, Colebrook, Eastford, Farmington, Franklin, Hampton, Harwinton, Monroe, Morris, New Fairfield, North Branford, North Canaan, Plymouth, Salem, Saybrook, Scotland, Simsbury, Union, Warren, Westbrook—29.

The Registrar of every town in the State has made report for November.

# REMARKS.

In addition to the above report of mortality, the office is in receipt of 23 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The mortality report has been received from every town in the State.

There were 934 reported in November. This was 60 less than in October, and 38 more than in November of last year, and 67 more than the average mortality in November for the five years preceding the present.

The number of deaths in the first ten months of the year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1093	1278
August,	1280	1190	1433	1278	1208	1158
September,	1006	1040	1032	1004	974	888
3d quarter,	3586	3559	3653	3931	3275	3324
Total for 9 mos.	10393	9352	9847	9484	8822	9491
October,	994	1027	959	839	969	848
November,	934	896	850	870	879	843

In the first eleven months of the year the number of deaths was 12,321 being 1046 more than in the corresponding months of last year, and 1128 more than the average in the same months for the last five years.

The death-rate was 15.4 for the large towns; for the small towns 14.3, and 14.9 for the whole State.

The deaths from Zymotic diseases were 145, being 15.5 per cent. of the total mortality against 20.3 per cent. in October.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Ansonia, Greenwich, Hartford, New Haven, Suffield, Windsor Locks—1 death.

**Scarlet Fever**—Ansonia, Bridgeport, Greenwich, Hartford, Mansfield, New Haven, Norwalk, Stamford, Windham—5 deaths.

**Cerebro-Spinal Fever**—Bristol, Coventry, Danbury, Derby, Hartford, Killingly, Ledyard, Manchester, Newtown, North Stonington, Stamford, Thompson, Waterbury—17 deaths.

**Diphtheria and Croup**—Ansonia, Bridgeport, Brookfield, Brooklyn, Darien, Danbury, Greenwich, Griswold, Hartford, Killingly, Meriden, Middletown, New Britain, New Hartford, New Haven, Norwalk, Norwich, Redding, Stamford, Waterbury, West Hartford, Westport, Windham—48 deaths.

**Typhoid Fever**—Ansonia, Bethel, Brookfield, Brooklyn, Canterbury, Chatham, Cheshire, Colchester, Danbury, Enfield, Greenwich, Griswold, Hartford, Hebron, Killingly, Meriden, Milford, Naugatuck, New Britain, New Haven, New London, Norwalk, Norwich, Plainfield, Seymour, Sherman, Southbury, Stamford, Suffield, Washington, Waterbury, Wethersfield, Wilton, Windham—39 deaths.

Whooping Cough is reported from several places in Fairfield County. The highest death-rate was in Killingly being 27.2. The lowest in Vernon and Wallingford, each 5.4.

While Diphtheria is widely spread through the State, it seems to have a preference for the larger towns—42 of the 48 deaths occurred in the towns of over 5000 population.

Pneumonia was reported from only five towns in the State.

## TOWN BOARDS OF HEALTH.

Beside the duties incident to the superintendence of the Registration of Vital Statistics in Connecticut, it is one of the functions of the State Board of Health to be a bureau of information on sanitary questions. It is exclusively the function of the Town Boards of Health to administer sanitary law. That is the practical relation in which the two organizations stand towards each other, and towards the public. It follows that the successful and effective operation of any undertakings in behalf of public hygiene will depend very largely upon the wise and prudent activity of the town Boards. According as they are intelligently and judiciously active, or indifferent and passive, results may be measured.

Reports are now being received at this office of the sanitary work accomplished during the past year by local boards throughout the State, to be used in preparation of the Annual Report of the State Board. These reports are very instructive, and significant of the results of effort to improve the public hygiene.

They indicate distinctly two types of health boards as illustrated in the following reports:

Town of ———

Secretary of State Board of Health,

Sir: Our Town Board of Health have not been called upon to do anything the past year, and have not done anything worthy of note.

Yours Respectfully,

———, Health Committee.

The above Board is of the inert, the passive type, which waits to have its duties pointed out with a request to perform them. This kind seldom "do anything worthy of note" and although there are still too many of them the number is happily diminishing.

The other type will be recognized by the following report:

THOMPSON, Nov. 24th, 1890.

To the Sec'y of State Board of Health:

Sir: The Board of Health of Thompson have had careful supervision of the sanitary condition of the town—have been active in recommending necessary precautions for maintaining healthful conditions, when they have observed neglect of the same; insisting upon careful attention to cleanliness; the removal of all filth from streets and about dwellings, particularly in our densely populated manufacturing village; and with the gratifying result of obviating epidemics of contagious diseases, so often occurring in such places, so that neither Scarlet Fever, Diphtheria or Typhoid Fever, have been known this year in the town. \* \* \* I am gratified to be able to say—our people generally have willingly acknowledged the authority of the Board, and coöperated with it, by complying with its advice and directions to the end of obtaining the objects of its existence.

The work of the Board has been fruitful in a marked degree in promoting that exemption from Zymotic diseases which has made the health of this town so much better than that of past years, when more or less of these diseases have prevailed. The contrast in this respect with years past has been such as to excite general remark and surprise among our people and a growing appreciation of the value of Health Boards and the regret that the blessings of scientific sanitation have not sooner come in the form in which they are now enjoyed.

Very Respectfully,

———, Pres. Board of Health.

Many other reports of town boards might be quoted illustrative of these two distinctive methods of administering public hygiene and still many more of boards holding an intermediate rank.

The practical lesson is that there is work to do in every town, and good results will follow good work in sanitary matters as in everything else.

## KOCH'S DISCOVERY.

The most notable event of the day in preventive medicine is the alleged discovery of a germicide of the Bacillus Tuberculosis.

An eminent Professor in the University of Yale through his personal and scientific relations with the savants of Germany has been enabled to obtain the first importation to this country of the far-famed "Koch's Lymph." It was received on the 3d of December. The amount was limited and its use has therefore necessarily been restricted to three patients: one with Pulmonary Phthisis; one with Tubercular Laryngitis; and one with Lupus. Careful and constant observations are being made of the effects produced and they are said to be the same as those described by Koch. Any further announcement of its action at this time would be premature. A full report will be forthcoming at the proper time.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, December 15, 1890.

## ABOUT THE WAY IT IS DONE.

Johnny—Ain't yer going ter school, Jim?

Jimmie—Naw, we got the sculter fever at our house and de doctor sez I can't go ter school. I'm going to der dime museum dis aft. So long.—*Boston Herald.*



# METEOROLOGICAL REPORT FOR THE MONTH OF NOVEMBER 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.			WIND.				Precipitation. Inches. and tenths.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
	Baro- meter.	TEMPERATURE.			8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.			Max. Velo- city.		
		Daily Mean.	8 A. M.	8 P. M.				Direction.	Vel. per h.	Direction.	Vel.				
1	30.02	39.3	44.1	42.	73	65	69.0	W	4	SW	5	163	0	Cloudless	Partly Cl'dy
2	29.80	46.4	51.7	49.	84	72	78.0	SW	5	SW	8	237	0	Cloudy	Cloudy
3	29.80	41.6	47.0	44.3	68	67	67.5	W	6	W	5	160	0	Partly Cl'dy	Partly Cl'dy
4	29.96	33.2	37.2	37.	65	74	69.5	NW	5	W	1	91	0	Cloudy	Cloudless
5	30.26	31.4	48.5	40.	67	76	76.5	0	SW	12	190	19	0	Cloudless	Cloudless
6	30.25	40.3	51.0	52.	77	88	90.5	SW	2	S	1	96	17	Partly Cl'dy	Cloudless
7	30.22	53.2	54.1	56.	93	93	93.0	S	3	S	5	98	12	Cloudy	Cloudless
8	30.17	53.0	54.4	58.	92	92	92.0	NW	3	NW	12	179	19	Partly Cl'dy	Partly Cl'dy
9	30.20	42.5	54.0	48.	55	41.	54	E	5	S	8	141	16	Cloudy	Light Rain
10	30.18	50.3	45.7	50.	60	69	80.5	N	10	N	9	187	18	Sprinkling	Cloudless
11	30.32	35.0	37.0	35.	38	32.	36.	N	8	N	6	209	19	Light Rain	Cloudy
12	30.32	35.0	37.0	36.	40	30.	34.	N	10	N	2	119	12	Cloudy	Partly Cl'dy
13	30.16	31.0	48.5	40.	67	84	90	0	3	SW	4	97	11	Cloudless	Cloudless
14	30.19	31.0	48.5	40.	66	91	90.5	W	3	NW	2	118	12	Cloudless	Cloudless
15	30.35	37.2	40.3	44.	53	35.	44.	NW	8	NW	2	67	6	Cloudy	Cloudless
16	30.35	49.0	44.3	50.	56	43.	50.	S	4	SW	12	128	16	Partly Cl'dy	Partly Cl'dy
17	29.85	44.0	53.4	46.	55	40	46.	SW	17	SW	12	183	18	Light Rain	Light Rain
18	29.76	43.5	43.0	47.	56	43.	49.	SW	8	NW	5	336	44	Partly Cl'dy	Partly Cl'dy
19	29.74	47.0	43.0	45.	63	49.	59	SW	12	NW	5	228	23	Cloudless	Cloudless
20	29.86	34.2	32.0	37.	46	37.	41.	NW	4	SW	14	347	23	Cloudy	Partly Cl'dy
21	30.09	30.3	39.3	36.	46	37.	41.	NW	4	SW	10	218	19	Cloudless	Cloudless
22	29.92	43.4	37.1	43.	49	37.	43.	W	10	W	10	226	21	Cloudy	Partly Cl'dy
23	29.92	37.0	25.4	32.	39	27.	32.	SW	12	SW	12	263	16	Partly Cl'dy	Partly Cl'dy
24	30.12	24.4	42.4	32.	43	31.	42.	0	9	S	14	226	21	Cloudy	Partly Cl'dy
25	29.82	48.0	40.0	46.	54	39.	47.	SW	9	SW	12	225	18	Partly Cl'dy	Cloudy
26	30.11	34.3	27.1	33.	39	27.	33.	NW	10	N	12	233	21	Cloudless	Cloudless
27	30.07	23.2	21.7	26.	31	21.	26.	N	7	N	12	239	14	Cloudless	Cloudless
28	30.07	19.0	24.4	24.	31	17.	24.	NW	10	NW	6	239	14	Cloudless	Cloudless
29	29.96	28.9	37.9	34.	46	22.	46.	W	4	W	4	132	15	Cloudy	Partly Cl'dy
30	29.67	33.0	39.0	38.	46	31.	38.0	W	3	SW	4	54	6	Cloudy	Cloudy
Mean.	30.050	39.1	41.6	41.7	49.3	34.1	41.7	NW	5.7	SW	6.6	173.0	17.8	Total.	.67

\*T Indicates trace of Precipitation.

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
		Prevailing direction, N. W.	Mean hourly velocity, 7.2.			
Monthly Mean, 30.050 inches.	Monthly Mean, 41.7 degrees.	Max. hourly velocity, 7.2.	Max. hourly velocity, 7.2.	Total number of days on which precipitation occurred, 7.	1873--34.0 deg.	1883--42.1 deg.
Highest, 30.302 in.; Date, 16th.	Highest, 69 deg.; Date, 8th.	Lowest, 17 deg.; Date, 28th.	Lowest, 17 deg.; Date, 28th.	*Greatest 24 hour precipitation, (in. and tenths), .34.	1883--41.9 "	1883--42.1 "
Lowest, 29.486 in.; Date, 30th.	Absolute range, 52 degrees.	Total monthly movement, 5,190 miles.	Total monthly movement, 5,190 miles.	Least daily range, 24 deg.; Date, 29th.	1885--42.2 "	1885--42.4 "
Monthly range, .776 in.	Least daily range, 6 deg.; Date, 11th.	Mean daily range, 15.2 degrees.	Mean daily range, 15.2 degrees.	Total excess or deficiency of precipitation since Jan. 1 = -37 in.	1886--42.7 "	1886--42.7 "
	Monthly mean humidity, 76.0 per cent.	Monthly mean dew point, 33.0.	Monthly mean dew point, 33.0.		1887--42.9 "	1887--42.9 "
	Notes--Observations taken on the 25th Meridian time.	Date of Solar Halos, 15th.	Date of Solar Halos, 15th.		1888--44.1 "	1888--44.1 "
	Elevation of rain and snow gauges, 103 feet.	† Barometer readings reduced to sea-level and temperature of 32.	† Barometer readings reduced to sea-level and temperature of 32.		1889--44.2 "	1889--44.2 "
	Water recorded. A "T" in rainfall column indicates precipitation too small to measure.	‡ Humidity relative, saturation being 100.	‡ Humidity relative, saturation being 100.		1890--44.7 "	1890--44.7 "
					1891--44.8 "	1891--44.8 "
					1892--43.1 "	1892--43.1 "

Monthly mean humidity, 76.0 per cent. Monthly mean dew point, 33.0. Number of cloudless days, 13. Number of partly cloudy days, 8. Date of Solar Halos, 15th. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; water recorded. A "T" in rainfall column indicates precipitation too small to measure. ‡ Humidity relative, saturation being 100.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF DECEMBER, 1890.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of December, 1890.

The Census Population is only approximate, the exact enumeration is not yet received from the Census Bureau at Washington.

TOWNS.	Census pop.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.	10,340	19	22.0	6	31.5														3	2	2	3	4		5	
Bridgeport.	48,740	57	12.5	18	31.5		2			5	2					1			4	12	1	9	5	3	13	
Bristol.	7,380	3	4.8																						1	2
Denbury.	19,430	19	11.7	3	15.8															3	3		2	3	1	6
Derby.	5,960	11	22.1							1						1	1	1				2	1	1	2	
Enfield.	7,200	14	23.3							1											2		2	1	7	
Greenwich.	10,140	7	8.2																	2			2	1		
Groton.	5,500	3	6.5																		1		1	2	1	
Hartford.	53,000	85	14.5	17	20.0														7	12	2	5	4	5	42	5
Killingly.	7,040	10	17.0	3	30.0					1	2										1	1	3	2		
Manchester.	8,200	5	7.3							1	2									1						
Meriden.	25,320	26	12.3	7	27.0																1	2	3	3	2	
Middletown.	15,100	15	7.1	1	6.6															2						
Naugatuck.	6,220	13	25.0	4	30.7															3						1
New Britain.	19,000	16	10.1	7	43.7														23	23	2	22	14	6	4	6
New Britain.	85,830	148	18.1	32	21.6			3		15																2
New London.	13,780	16	13.9	2	12.5																1	1	1	2	12	2
Norwalk.	17,730	28	18.9	6	21.4						1										1	1	2	5	13	3
Norwich.	23,030	36	18.7	7	19.4					3										1	6	2	5	1	2	2
Putnam.	6,500	5	9.2	3	60.0					1										1						2
Southington.	5,500	5	10.9																							1
Stamford.	15,580	27	20.8	4	14.4																1					1
Stonington.	7,800	7	10.7							3											1					6
Thompson.	7,800	7	10.7																							1
Torrington.	8,800	10	19.8	1	16.6																1					3
Vernon.	6,050	6	13.0	1	10.0																					1
Wallingford.	8,800	14	19.0	4	28.5					1	1															3
Waterbury.	6,560	5	9.1																							4
Winchester.	33,180	40	14.4	8	20.0					1																1
Windham.	6,170	3	5.8	1	33.3					3											4	2	4	3	1	18
Windham.	10,000	17	20.4	7	41.2																					5
Total of the 30 above towns.	500,580	670	16.0	142	21.2		2	5	8	32	5		16	3	1	3	10	3	78	80	16	80	70	40	218	46
138 of less than 5,000 inhabitants:	243,698	329	16.2	39	11.8					3	11	1	5	1	2	3	3	4	33	37	10	59	41	15	100	8
Total reported from all the towns.	744,278	999	16.1	181	18.1		2	5	11	43	6	1	21	4	3	6	13	7	111	117	26	139	111	55	318	54

The Mortality in Public Institutions of the State were: in Bridgeport, 6; in Hartford, 21; in Middletown, 6; and in New Haven, 18. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in December: Andover, Ashford, Beacon Falls, Bethany, Bolton, Columbia, Durham, Eastford, East Granby, East Hampton, Hebron, Killingworth, Lyme, Marlborough, Middlebury, Monroe, Morris, New Fairfield, North Braintree, North Stonington, Oxford, Preston, Salem, Sherman, Somers, Thomaston—26.

The Registrar of every town in the State has made report for December.

# REMARKS.

In addition to the above report of mortality, the office is in receipt of 20 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The mortality report has been received from every town in the State. There were 999 deaths reported in December. This was 65 more than in November, and 51 more than in December of last year, and 89 more than the average mortality in December for the five years preceding the present.

The number of deaths in the twelve months of the year compared with the same of each of the five years preceding was as follows:

	1890	1889	1888	1887	1886	1885
January,	1648	892	1015	918	881	946
February,	1089	922	1097	858	853	989
March,	1097	1049	1170	1043	1060	1224
1st quarter,	3834	2863	3282	2819	2794	3159
April,	1087	1073	1116	1011	1056	1175
May,	978	932	983	906	883	999
June,	908	925	813	817	814	834
2d quarter,	2973	2930	2912	2734	2753	3008
July,	1300	1329	1188	1649	1093	1278
August,	1280	1190	1433	1278	1208	1158
September,	1006	1040	1032	1004	974	888
3d quarter,	3586	3559	3653	3931	3275	3324
October,	994	1027	959	839	969	848
November,	934	896	850	791	879	813
December,	999	948	950	870	941	842
4th quarter,	2927	2871	2759	2500	2789	2533
Total for 12 mos.	13320	12223	12569	11984	11611	12024

In the twelve months of the year the number of deaths was 13,320, being 1097 more than in the last year, and 1238 more than the average for the last five years.

The death-rate was 16.0 for the large towns; for the small towns 16.2 and 16.1 for the whole State.

The deaths from Zymotic diseases were 122, being 12.2 per cent. of the total mortality against 15.5 per cent. in November.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Greenwich, Suffield, Westport, Windham—2 deaths.

**Scarlet Fever**—Coventry, Greenwich, Hartford, Meriden, New Haven, Norwalk, Stamford, Westport, Windham—5 deaths.

**Cerebro-Spinal Fever**—Bethel, Danbury, Derby, Enfield, Griswold, Hartford, Meriden, Portland, Putnam, Southbury, Torrington, Waterbury, Weston—11 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Brooklyn, Cheshire, Griswold, Hamden, Hartford, Meriden, New Haven, Norwalk, Norwich, Old Lyme, Plainfield, Seymour, Stafford, Stamford, Torrington, Vernon, Windham—43 deaths.

**Typhoid Fever**—Brookfield, Brooklyn, Cromwell, Derby, Greenwich, Hartford, Middletown, New Britain, New Canaan, New Haven, Norwalk, Norwich, Portland, Ridgefield, Scotland, Stafford, Stamford, Waterbury, Windham—21 deaths.

Pneumonia has occurred very frequently during the month with a large mortality. It is reported from more than 50 towns.

There was one death from old age—in Cheshire, the deceased was a widow 101 years, 10 months and 14 days old at the time of death.

December was more than usually sickly. The excess over the average mortality is largely attributed to Pneumonia, although diseases of the Heart and of the Nervous System are in excess of the usual mortality from these causes.

The excess of 1238 deaths over the average yearly mortality of the previous five years, is to be largely ascribed to the baneful impression made by the great epidemic, which was at its height at the beginning of the year—and which affected most powerfully the Respiratory, Nervous and Circulating Systems.

## MAKING OUT "THE ABSTRACT"

for the year 1890, from the town registration of Births, Marriages and Deaths.

The Registrar of every town in Connecticut is required by the Statute to send to this office, on or before the 25th day of this month, an attested Abstract of his records, in such form as may be prescribed by the Superintendent of Vital Statistics.

A few of these, from the small towns, have been already received. The Superintendent earnestly hopes that the haste with which some of these have been prepared will explain the carelessness and negligence which characterize their make up, and the conspicuous discrepancies of statement which they present, and that those which are yet to come will be more carefully filled out.

Conflicting and disagreeing statements in different tables as to definite facts are frequent. Thus the number of brides differ from the number of grooms. The number of mothers exceed the number of births or *vice versa*. The total of deaths in one table differ from the total in another table—the sex of decedents omitted altogether, or stated differently in different parts of the Abstract.

These numerous errors betray a carelessness in making out the Abstract, which in so important a matter, is inexcusable.

It is quite impossible for the Superintendent to consolidate such Abstracts in a general report until these errors have been corrected. And as when two conflicting statements appear in an Abstract, the Superintendent has no means of knowing which is right, he has no alternative but to return the Abstract to the Registrar for correction.

Many of the above mentioned errors are of the character of pure blunders, wholly due to carelessness. They give the impression that the Registrars think it of no importance if their abstracts are not quite right; they are good enough if they are nearly right. But it is necessary that Registrars should appreciate the fact that they cannot be used in a consolidated report until they are made *quite* right as regards statements of numbers concerning the same things. At this writing exactly one-third of the Annual Abstracts thus far received have been returned for the correction of exasperating blunders the existence of which the Registrars could easily have discovered and corrected before sending to this office if they had taken the least trouble to look for them.

The Superintendent here makes a special and formal request to each of the Registrars in the State, that before mailing the Abstract to this office he will carefully look it over and be sure that he has not made two different reports of the same fact.

A printed sheet of directions accompany each Abstract. These directions show exactly where these discrepancies will be found if they exist—and three minutes' examination after the Abstract is completed will detect them.

The above is written not only in the interest of correct registration but also in the interest of the Registrars, who will find it both pleasanter and easier to correct their mistakes before they send their Abstracts than to have the Abstracts returned to them to correct afterwards. The simple arithmetic necessary to their use is sure to detect every mistake that is made.

Registration of Vital Statistics for all practical purposes is of value very much in proportion to its accuracy and fullness.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, January 15, 1891.



# METEOROLOGICAL REPORT FOR THE MONTH OF DECEMBER, 1890.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	BARO-METER <sup>†</sup>	TEMPERATURE. <sup>‡</sup>				RELATIVE HUMIDITY. <sup>§</sup>		WIND.				PRECIPITATION. Inches. Mel. Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.			
		Daily Mean.	Maximum.	Minimum.	Range.	8 A. M.	8 P. M.	Daily Movement.	Max. Velocity.	A. M.	P. M.							
													9 A. M.	8 P. M.		Direction.	Vel. per h.	Direction.
1	29.72	23.0	24.2	26.	30.	22.	8.	62	81	71.5	N W	14	N W	5	277	23	Cloudless	Cloudy
2	30.20	12.2	14.7	18.	25.	15.	15.	59	63	61.0	N W	5	N W	7	138	15	Cloudless	Cloudless
3	30.04	10.9	28.0	30.	49.	10.	39.	65	89	77.0	N E	11	N E	6	267	26	Light Snow	Cloudy
4	29.94	30.3	32.	35.	28.	7.	9.	61	78	69.5	W	19	SW	3	377	46	Cloudless	Cloudless
5	30.27	29.1	29.0	32.	36.	27.	9.	84	94	89.0	W	1	N E	12	135	16	Cloudy	Cloudy
6	30.12	27.2	32.7	33.	40.	26.	14.	90	96	93.0	N E	14	N E	5	202	17	Cloudy	Cloudy
7	30.16	34.3	16.0	28.	36.	19.	17.	66	74	70.0	N W	9	N	5	261	28	Partly Cloudy	Partly Cloudy
8	30.22	15.1	19.5	16.	20.	11.	9.	82	91	86.5	N E	6	N E	7	172	20	Cloudy	Cloudy
9	29.89	19.7	29.8	28.	37.	18.	19.	77	73	75.0	N E	4	W	1	130	13	Partly Cloudy	Partly Cloudy
10	29.60	33.8	35.4	30.	37.	23.	14.	87	76	81.5	W	1	SW	5	98	12	Cloudy	Cloudy
11	29.63	29.2	35.4	30.	37.	23.	14.	82	79	80.5	W	4	W	6	269	30	Partly Cloudy	Cloudless
12	30.28	11.0	25.4	20.	30.	9.	19.	74	65	69.5	N W	9	N W	7	162	21	Cloudless	Cloudless
13	30.66	33.4	37.0	33.	42.	24.	18.	72	51	61.5	SW	14	W	10	123	16	Partly Cloudy	Cloudless
14	30.30	30.1	29.6	27.	36.	18.	14.	70	73	71.5	W	5	N	5	238	26	Cloudless	Cloudless
15	30.45	20.2	30.6	27.	36.	18.	10.	96	100	98.0	N E	12	N E	45	270	52	Heavy Rain	Cloudy
16	30.75	30.1	37.0	32.	37.	10.	96	100	98.0	N E	25	8	N E	10	677	52	Light Rain	Cloudy
17	29.60	30.2	28.4	34.	39.	28.	11.	72	54	63.0	N	16	N	22	349	45	Cloudless	Cloudless
18	30.28	18.9	19.1	21.	25.	17.	8.	62	59	60.5	N W	10	N W	8	322	28	Cloudless	Cloudless
19	30.50	16.1	30.0	22.	34.	11.	23.	52	80	66.0	N W	4	SW	2	77	11	Cloudy	Partly Cloudy
20	30.03	33.4	37.7	35.	41.	29.	12.	82	84	83.0	SW	5	SW	11	136	16	Cloudless	Cloudless
21	30.06	40.0	37.1	40.	44.	35.	9.	59	68	63.5	W	7	W	3	246	25	Cloudless	Cloudless
22	29.80	35.4	43.2	42.	51.	32.	19.	75	41	53.0	SW	12	W	20	279	26	Partly Cloudy	Cloudy
23	29.80	25.4	25.4	28.	32.	24.	8.	60	58	59.0	W	11	W	7	269	26	Cloudless	Cloudless
24	30.18	19.8	12.8	18.	24.	13.	11.	50	68	59.0	N W	5	N	10	222	18	Cloudless	Cloudless
25	30.54	10.4	20.0	16.	21.	10.	11.	38	93	90.5	N E	20	N E	28	507	35	Sleet	Cloudy
26	30.02	30.3	26.	34.	19.	15.	10.	80	74	77.0	N E	6	SW	11	270	36	Light Snow	Cloudy
27	29.50	26.1	30.3	26.	34.	19.	15.	62	61	61.5	N W	7	N W	3	209	20	Cloudless	Cloudless
28	29.94	21.1	10.4	16.	23.	10.	13.	32	61	61.5	W	7	W	9	172	16	Cloudy	Cloudy
29	29.94	22.2	17.0	18.	31.	5.	26.	71	73	72.0	SW	7	W	7	172	16	Cloudy	Partly Cloudy
30	30.42	16.7	14.2	16.	23.	9.	14.	61	90	78.5	N E	13	N E	7	269	14	Light Snow	Partly Cloudy
31	30.31	12.0	15.2	13.	15.	11.	4.	63	93	75.0	N E	6	N E	12	287	18	Cloudy	Cloudy
Month	30.050	24.2	26.7	26.8	33.9	10.4	14.5	71.4	75.5	73.4	W	9.3	N E	9.1	238.3	23.6	Total.	2.90

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)	COX. RAINFALL. (Inches and roots).
		Prevaling direction, N. E.	Mean hourly velocity, 9.5	Total number of days on which precipitation occurred, 13.	* Greatest 24 hour precipitation (in. and roots), 1.36; † Date, 17th; ‡ Total monthly precipitation (in. and roots), 2.90		
Monthly Mean, 30.050 inches.	Monthly Mean, 26.6 degrees.	Mean hourly velocity, 9.5	Mean hourly velocity, 9.5			1873.-32.6 deg.	1873.-44.1 1883.-3.85
Highest, 30.604 in.; Date, 25th.	Highest, 41 deg.; Date, 23d.	Max. 53 miles N. E. Date, 17th.	Max. 53 miles N. E. Date, 17th.			1884.-31.5	1884.-2.85 1884.-6.41
Lowest, 29.454 in.; Date, 17th.	Lowest, 5 deg.; Date, 20th.	Total monthly movement, 7,388 miles.	Total monthly movement, 7,388 miles.			1885.-35.3	1885.-1.39 1885.-3.47
Monthly range, 1.150 in.	Greatest daily range, 29 deg.; Date, 3d.					1886.-27.3	1886.-2.38 1886.-3.41
	Least daily range, 4 deg.; Date, 31st.					1887.-32.6	1887.-1.46 1887.-3.09
	Mean daily range, 14.5 degrees.					1888.-31.6	1888.-5.50 1888.-2.62
	Total excess or deficiency since Jan. 1 = -10 degrees.					1889.-38.3	1889.-4.41 1889.-2.90
						1890.-26.6	1890.-3.49 1890.-2.90
						1891.-37.8	1891.-4.75
						1892.-29.0	1892.-2.99

Monthly mean humidity, 73.4 per cent. Monthly mean dew point, 17.6. Number of cloudless days, 12. Number of partly cloudy days, 9. Number of cloudy days, 10.  
 Date of Solar Halos, 16th.  
 Date of Lunar Halos, 20th, 25th, 28th.  
 Date of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. † A minus sign (-) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "†" in rainfall column indicates precipitation too small to measure. ‡ Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JANUARY, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1891.

The Census Population is only approximate, the exact enumeration is not yet received from the Census Bureau at Washington.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,310	17	19.7	5	28.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bridgeport.....	48,710	63	14.9	23	39.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	7,380	9	14.6	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby.....	19,430	22	13.5	3	13.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	5,960	10	20.1	4	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	7,260	14	23.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	10,110	9	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	5,360	86	15.6	24	27.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly.....	53,600	7	11.9	1	11.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,200	7	10.2	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden.....	25,320	40	18.9	12	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	15,100	22	9.5	1	8.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.....	6,220	8	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	10,000	32	20.2	13	40.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	85,830	117	15.0	27	23.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	13,780	26	22.6	3	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.....	17,730	19	12.8	3	15.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,030	32	16.6	6	18.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.....	6,500	9	16.6	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,500	8	17.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,580	27	20.7	7	26.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,800	9	13.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,500	5	10.9	3	60.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	6,050	9	17.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,800	6	8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,560	10	18.2	1	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	33,180	45	16.2	10	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	6,170	6	11.6	1	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,000	12	14.4	6	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	500,580	690	16.5	163	23.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
136 of less than 5,000 inhabitants.....	241,186	299	16.1	34	11.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 166 towns.....	741,766	989	14.8	197	26.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of towns not reporting.....	2,512	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 17; in Middletown, 10; and in New Haven, 9. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in January: Andover, Bethlechem, Burlington, Chester, Eastford, Easton, Essex, Goshen, Ledyard, Lisbon, Mansfield, Middlefield, Morris, North Branford, Old Saybrook, Salem, Scotland, Southbury, Sprague, Warren, Wolcott, Woodbury—22.

The Registrars of the following towns have made no report for January: South Windsor, Weston—2.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 25 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Bloomfield, Bolton, Bridgeport, Brooklyn, Coventry, East Haddam, Farmington, Greenwich, Griswold, Guilford, Haddam, Hartford, Hebron, Meriden, New Haven, Newtown, Norwalk, Ridgefield, Rocky Hill, Roxbury, Salem, Stamford, Vernon, Westport, Windham—25.

The mortality report for January has been received from 166 of 168 towns in Connecticut. There were 989 deaths reported in the State during the month. This was 10 less than in December; it was 659 less than in January, 1890, and 81 less than the average number of deaths in January for the five years preceding the present.

The number of deaths in the first month of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881

The death-rate for the large towns was 16.5; for the small towns 14.8, and 16.1 for the whole State.

The deaths from Zymotic diseases were 117, being 11.8 per cent. of the total mortality against 12.2 per cent. in December.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bethel, Bloomfield, Bridgeport, Coventry, East Haddam, Greenwich, Griswold, Hartford, Meriden, Stamford, Vernon, Westport, Windham—10 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Bristol, Coventry, Farmington, Greenwich, Hamden, Hartford, Meriden, New Canaan, New Haven, Norwalk, Salisbury, Stamford, Westport—13 deaths.

**Cerebro-Spinal Fever**—Bristol, Danbury, Chaplin, Naugatuck, New Britain, New Canaan, New London, Newington, Norwalk, Wilton—12 deaths.

**Diphtheria and Croup**—Ashford, Berlin, Bridgeport, Brooklyn, Cheshire, Derby, East Haddam, Griswold, Haddam, Hartford, Meriden, Middletown, New Britain, New Haven, Norwalk, Portland, Putnam, Simsbury, Tolland, Union, Waterbury, Windham—41 deaths.

**Typhoid Fever**—Ansonia, Hartford, Killingly, Meriden, New Britain, New Haven, New Milford, Newtown, Plainfield, Portland, Simsbury, Thomaston, Tolland, Waterbury, Westbrook—14 deaths.

La Grippe is mentioned as presenting a reappearance during the month in several parts of the State, but in a much milder form than a year ago, and only to a limited extent.

The following report of an outbreak of Diphtheria in East Haddam is illustrative of its mode of importation. Three cases occurred in one family. A son had been confined in the Willard Parker Hospital three weeks, and came home after the resident physician had declared it safe. Soon after his brother was taken, and in two days more his sister, both children, the next day his mother, and were all sick seven to ten days. Five others visiting the family, young adults, were moderately ill with the disease, and these communicated it to others, who are now sick with it.

## ABOUT LOCAL BOARDS OF HEALTH.

The most prevalent heresy now existing among the health officials of the small towns of Connecticut is a deep-rooted skepticism as to the real need of their official existence. Because from year to year they do nothing, they take the unjust inference that there has been nothing to do, which is equivalent to saying that the towns over which they have sanitary supervision are now and have been for many years in such excellent hygienic condition as to be incapable of being improved. That the drainage of these towns and of every house is so good as never to be a source of danger to health. That every citizen gives such careful and intelligent attention to the disposal of his sewage and other household wastes, that there is no possibility of unnecessary soil contamination about his dwelling, or risk of pollution of his own or his neighbors' well. That kitchen slop-puddles and vile cesspools do not exist. That all barn-yards, hen-roosts, and pig-styes are kept with such scrupulous care as never to pollute the air by their emanations or be a source of defilement to the neighboring streams. That the food products, and particularly milk, are always supplied to customers in the most wholesome condition. That all dairy farms are conducted on the best methods for securing the health of the cows and avoiding every risk of infection of the milk. That when contagious diseases are brought into the place, (for they could not originate in such towns), ample and ready provision is made for taking all the precautions necessary to prevent their spread. There may be such towns, but they are not in Connecticut.

Another fallacy, closely related to the last, is the idea that a local board of health should be a *passive* rather than an *active* organization. That of its own volition it should never take cognizance of any unsanitary conditions. That a town board should occupy the dignified position of a court of appeal, and take no action, whatever may endanger the public health, until the threatened danger is brought to its attention by other parties. Such a conception of the true functions of a health board are not in conformity with the practical sentiments of the times.

In order to accomplish the purposes of its existence, it should be just the reverse of passive. Every member of the board, or at the least its executive officer, should make it a first duty to acquire a familiar personal acquaintance with every part of his town with regard to its sanitary conditions. He should observe and note what influences, if any, affected public health, what parts were most unhealthy, and what may be needed to improve the conditions. Immediately when an intelligent and competent officer begins such observations he always finds enough material to make it interesting.

It is true that in Connecticut the very meager stipends offered for such services (often next to nothing, and still oftener really nothing) are not great incentives to active exertion; but that is no reason why an aggressive administration of public hygiene is not needed, or why it should not be paid for as well as other useful public services.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, February 16, 1891.

METEOROLOGICAL REPORT FOR THE MONTH OF JANUARY, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.			WIND.					PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Baro-Meter†	TEMPERATURE.†			8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Movement.		Max. Velocity.	8 A. M.		P. M.
		Daily Mean.	8 A. M.	8 P. M.				Direc-tion.	Vel. per h.	Direc-tion.	Vel.						
1	30.00	18.0	33.0	24.	94	97	95.5	N E	14	N E	7	226	18	Light Snow	Light Rain	Cloudy	
2	29.44	49.1	41.0	42.	99	100	99.5	S W	13	S W	10	156	16	Am't. Snow	Heavy Rain	Cloudy	
3	29.99	26.1	17.0	22.	51.	53	54.5	N W	13	N W	7	304	27	1.32	Cloudless	Cloudless	
4	30.20	11.8	23.0	17.	40.	59	57.5	N E	15	N E	15	377	26	.05	Cloudy	Cloudy	
5	29.95	23.0	24.0	26.	48.	75	65.5	N W	16	N W	15	319	22	0	Light Snow	Partly C'dy	
6	30.02	30.1	21.4	21.	60.	68	64.5	N E	12	N W	6	245	21	0	Cloudy	Partly C'dy	
7	30.69	30.0	18.1	16.	71	68	68.5	N W	13	N W	16	299	19	0	Cloudless	Cloudless	
8	30.39	30.2	21.1	27.	57	66	62.0	N W	11	N W	11	278	20	0	Cloudless	Cloudless	
9	30.24	30.2	24.9	34.	63	67	65.0	N W	10	S W	5	155	18	0	Cloudless	Cloudless	
10	29.73	30.3	32.1	29.	89	90	89.5	N W	1	N S	20	77	18	0	Light Rain	Partly C'dy	
11	29.23	37.8	32.1	28.	91	66	80.5	S W	22	N S	20	244	45	.91	Cloudless	Partly C'dy	
12	29.83	35.1	22.0	26.	80	66	85	W	10	S W	10	232	20	.44	Cloudless	Cloudless	
13	29.87	30.2	36.0	20.	95	71	83.5	S W	10	S W	7	150	15	.05	Light Snow	Partly C'dy	
14	30.39	33.1	30.3	28.	62	85	73.5	N W	3	S W	3	150	15	0	Cloudless	Cloudless	
15	30.50	27.1	25.6	31.	64	71	68.0	N W	4	N E	11	216	18	0	Partly C'dy	Partly C'dy	
16	30.67	18.3	30.1	24.	91	97	94.0	N E	25	N E	9	412	28	1.01	Sleet	Light Rain	
17	30.93	30.9	26.0	30.	96	75	87.0	N W	3	N W	11	178	16	.40	Light Rain	Cloudy	
18	30.11	23.0	26.0	30.	82	62	74.0	N W	11	N W	6	232	17	0	Cloudy	Cloudy	
19	30.68	25.5	30.2	27.	76	72	79.5	N W	2	N W	4	130	14	T	Heavy Rain	Partly C'dy	
20	30.12	31.1	39.0	34.	87	94	87.0	S W	6	S W	4	90	12	0	Cloudless	Cloudy	
21	29.64	43.0	45.0	43.	91	78	87.5	E	5	S W	19	368	46	1.00	Heavy Snow	Partly C'dy	
22	30.16	33.9	39.1	39.	67	68	66.5	S W	16	W	5	290	21	0	Partly C'dy	Partly C'dy	
23	30.17	32.8	38.9	38.	66	68	73.0	S W	4	S E	3	118	12	0	Cloudless	Cloudless	
24	30.16	32.0	30.0	34.	67	67	80.5	N W	22	N W	7	365	36	.51	Partly C'dy	Partly C'dy	
25	29.73	23.1	33.5	30.	65	77	71.0	N W	3	S	3	107	12	0	Cloudless	Cloudless	
26	30.66	33.3	30.0	38.	73	78	80.5	N W	3	S	3	91	10	.01	Light Rain	Partly C'dy	
27	30.10	32.9	38.0	38.	67	73	75.5	N W	3	S	3	66	10	0	Cloudy	Cloudy	
28	30.27	33.8	38.0	38.	71	73	78	N E	6	N E	10	140	14	.50	Sprinkling	Partly C'dy	
29	30.00	38.0	34.3	36.	98	100	99.0	S W	12	N E	10	279	24	.68	Cloudy	Cloudless	
30	30.28	38.7	41.0	40.	75	94	78.0	N W	3	S	6	109	20	.04	Partly C'dy	Cloudy	
31	30.17	32.0	36.0	34.	75	94	84.5	N W	3	S	6	109	20	.04	Partly C'dy	Cloudy	
Month	30.026	28.0	31.6	30.8	78.0	77.3	77.6	N W	9.5	S W	7.5	222.6	20.5	Total 6.77			

SUMMARY.		
WIND.		
Prevailing direction, N. W.		
Max. hourly velocity, 9.3.		
Mean, 15.		
*Greatest 24 hour precipitation, (in. and roots), 1.32 : Date, 1 & 2 : Total monthly precipitation, 187.583.		
Total monthly movement, 6,902 miles.		
Total depth of snow fall (inches and roots), 9.3.		
Dates of Thun.Sims, none.		
Total excess or deficiency of precipitation since Jan. 1 = + 2.56 in.		

TEMPERATURE.		
Monthly Mean, 30.8 degrees.		
Highest, 51 deg.; Date, 21st.		
Lowest, 10 deg.; Date, 4th.		
Absolute range, 41 degrees.		
Greatest daily range, 22 deg.; Date, 10th.		
Least daily range, 5 deg.; Date, 29th.		
Mean daily range, 13.5 degrees.		
Total excess or deficiency since Jan. 1 = - 120 degrees.		

BAROMETER.		
Monthly Mean, 30.026 inches.		
Highest, 30.570 in.; Date, 16th.		
Lowest, 28.916 in.; Date, 12th.		
Monthly range, 1.654 in.		

COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and footls.)	
1873--24.7 deg.	1883--23.8 deg.	1873--7.55	1883--3.60
1874--32.1	1884--23.2	1874--4.29	1884--4.63
1875--24.2	1885--26.8	1875--2.72	1885--4.05
1876--34.2	1886--25.4	1876--1.54	1886--3.53
1877--25.3	1887--25.2	1877--2.60	1887--4.24
1878--31.9	1888--20.5	1878--6.80	1888--5.48
1879--27.5	1889--34.2	1879--2.69	1889--4.47
1880--37.7	1890--30.7	1880--3.75	1890--3.07
1881--21.7	1891--30.8	1881--4.79	1891--5.91
1882--26.8		1882--5.91	

Monthly mean humidity, 77.6 per cent.

... days, 8. Number of partly cloudy days, 10. Number of cloudy days, 13.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 103 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "t" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF FEBRUARY, 1891.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1891.

The Census Population is only approximate, the exact enumeration is not yet received from the Census Bureau at Washington.

TOWNS.		Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.		
	Ansonia.....	10,340	9	20.4	2	22.2	---	---	---	---	---	1	1	---	---	---	---	1	---	1	---	8	12	3	---	3	1	
	Bridgeport.....	48,740	55	13.0	20	36.3	---	---	1	3	---	1	1	---	---	---	1	1	1	4	5	8	12	1	4	12	6	
	Bristol.....	7,380	6	9.6	2	33.3	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Danbury.....	19,430	19	14.8	8	42.1	---	---	---	1	---	---	---	---	---	---	---	---	---	1	1	2	4	1	1	3	5	
	Derby.....	5,960	10	20.1	2	20.0	---	---	---	---	---	---	---	---	---	---	---	1	---	1	1	2	1	2	2	2	3	
	Enfield.....	7,200	9	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	3	---	---	---	---	---	---	
	Greenwich.....	10,140	8	9.4	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	---	---	---	3	
	Groton.....	5,500	9	17.8	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Hartford.....	53,000	96	18.8	27	28.1	9	---	5	---	2	2	1	---	---	---	1	1	1	20	7	4	7	7	2	29	6	
	Killingly.....	7,040	9	15.3	2	22.2	---	---	1	---	---	---	---	---	---	---	---	---	---	3	1	1	1	---	---	---	---	
	Manchester.....	8,200	4	5.8	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Menden.....	25,320	30	14.2	12	40.0	---	---	1	3	---	---	---	---	---	---	---	---	---	7	3	1	5	---	---	---	---	
	Middletown.....	15,100	16	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Naugatuck.....	6,220	8	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	New Britain.....	19,000	27	16.5	6	22.2	---	---	---	2	2	---	---	---	---	---	---	---	---	2	3	---	---	---	---	---	---	
	New Haven.....	85,830	117	14.6	26	22.2	---	---	3	8	---	1	1	---	---	---	---	---	---	21	12	9	19	6	1	33	6	
	New London.....	13,780	11	9.5	2	18.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Norwalk.....	17,730	18	12.1	5	28.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Norwich.....	23,030	32	16.6	3	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Putnam.....	6,500	7	13.0	2	28.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Southington.....	5,500	7	15.2	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Stamford.....	15,580	35	26.3	14	40.0	---	---	4	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Stonington.....	7,800	9	13.8	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Thompson.....	5,500	9	19.6	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Torrington.....	6,050	11	21.8	2	18.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Vernon.....	8,800	13	17.7	2	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Wallingford.....	6,560	7	12.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Waterbury.....	33,180	46	16.6	9	20.0	---	---	3	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Winchester.....	6,170	8	15.5	3	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Windham.....	10,000	22	26.4	7	32.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	Total of the 30 above towns.....	500,580	667	15.9	165	24.7	14	9	10	32	6	6	9	5	5	2	7	9	92	66	43	87	53	26	186	42		
	136 of less than 5,000 inhabitants.....	242,251	281	14.0	26	9.2	---	---	1	5	6	2	3	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Total reported from 166 towns.....	743,131	948	15.3	191	20.1	14	10	15	38	8	9	14	5	6	6	8	11	124	95	51	128	83	35	288	46		
	Population of towns not reporting.....	1,147																										

The Mortality in Public Institutions of the State were: in Bridgeport, 2; in Hartford, 13; in Middletown, 7; and in New Haven, 12. These are deducted from the total mortality of their respective towns in estimating the death rates.

The following towns are reported as having no deaths in February: Andover, Bethany, Bolton, Colebrook, Durham, East Haven, Franklin, Hampton, Harwinton, Hebron, Marlborough, Middlefield, New Hartford, Newington, Norfolkt, Pomfret, Prospect, Redding, Salem, Sprague, Weston, Willington, Wolcott, Woodbridge—25.

The Registrars of the following towns have made no report for February: Eastford, Hartland—2.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 29 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Bloomfield, Bolton, Bridgeport, Brooklyn, Cheshire, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, Hebron, Naugatuck, New Hartford, New Haven, Newtown, Norwalk, Ridgefield, Rocky Hill, Salem, Salisbury, Stamford, Suffield, Thomaston, Wethersfield, Westport, Willington—27.

The mortality report for February has been received from 166 towns in Connecticut. There were 948 deaths reported in the State during the month. This was 47 less than in January; it was 141 less than in February, 1890, and 16 less than the average number of deaths in February for the five years preceding the present.

The number of deaths in the first two months of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853

The death-rate for the large towns was 15.9; for the small towns 14.0, and 15.3 for the whole State.

The deaths from Zymotic diseases were 144, being 15.1 per cent. of the total mortality against 11.8 per cent. in January.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bloomfield, Bolton, Brooklyn, Cheshire, Coventry, East Haddam, Greenwich, Hartford, Norwalk, Salem, Suffield, Thompson, Waterbury, Westport—14 deaths.

**Scarlet Fever**—Bloomfield, Coventry, Greenwich, Manchester, Meriden, Naugatuck, New Haven, Norwalk, Salisbury, Stamford, Thomaston—10 deaths.

**Cerebro-Spinal Fever**—Bridgeport, Milford, New Haven, North Canaan, Ridgefield, Seymour, Stamford, Vernon, Wallingford, Waterbury, West Hartford, Winchester—15 deaths.

**Diphtheria and Croup**—Bridgeport, Brooklyn, Cheshire, East Haddam, Easton, Griswold, Hartford, Killingly, Meriden, Milford, New Britain, New Hartford, New Haven, Norwalk, Stamford, Suffield, Thompson, Vernon, Waterbury, Westport, Winchester—38 deaths.

**Typhoid Fever**—Ansonia, Bridgeport, Brooklyn, Clinton, Cromwell, Hartford, Killingly, New Haven, Norwalk, Sterling, Waterbury, Westport—14 deaths.

In the Borough of West Haven the Health Officer had occasion to send home from one of the public schools four pupils afflicted with that most disagreeable and contagious disease, scientifically entitled "Scabies" or "Psora."

Measles were very generally prevalent in Vernon, Greenwich and Westport, with however only one fatal result.

While there has been a somewhat larger percentage of deaths from the Zymotic diseases than in January, the total mortality was less, being 948 in February against 989 in the month before.

The number of deaths from Pneumonia were markedly less than in January, being only 95 against 129, but the mortality from other lung diseases as Consumption and Bronchitis was greater than in January.

## WHAT IS A "PUBLIC FUNERAL?"

In most of the towns, in which regulations relating to Infectious and Contagious diseases are in force the law reads: "There shall be no public funeral of any person dead from Small Pox, Scarlet Fever, Measles, Diphtheria or Typhus Fever."

The question therefore often arises for the consideration and decision of the Health Officer; What is a public funeral? in the meaning of the law.

The phraseology is unfortunate, and open to criticism, because the expression "public funeral" is a misuse of words, and therefore the

words being wrongly employed carry with them a wrong meaning. Public funeral is tautology. Funerals are necessarily public. The definitions of the word "funeral" all imply publicity. Webster thus defines "Funeral." 1. "The ceremony of burying a dead human body; the solemnization of interment; obsequies. 2. The procession of persons attending the burial of the dead; the show and accompaniments of an interment." And so the joining of the word public, as descriptive of a funeral, is confusing and leads to the notion that there is another sort of funeral than a public one, which is permissible.

It would be better if the law was expressed thus: there shall be no funeral; or, there shall be no public burial of any person dead from Small Pox, etc.

These words would remove the ambiguity of the term "Public Funeral," and make the meaning and purpose of the law clear and definite.

The obvious object in making such a regulation is, to reduce to the minimum, the risk of spreading infection. The best means of doing this are by disinfection and isolation. If isolation of the patient was necessary before death, the isolation of the body is no less so after death. If it was important to prohibit visitors to the sick person and even to the house in which he was sick, lest the infection might be carried from the infected things therein, it is not the less important to exclude visitors from the infected house after death, and until the processes of purification be completed.

Hence it is that a private burial should be understood to mean the exclusion of all participants in the proceedings, excepting such as may be necessary to accomplish that object in a decent and orderly manner, and such as will suffer no additional exposure by their presence.

It need not be understood, however, to prohibit a clergyman from holding any brief religious service, if it would be a consolation to the friends, in the infected house, in the presence only of those who have already been exposed by living in the house, providing no others are admitted, and provided always that the clergyman himself take all necessary precautions against spreading the contagion.

In short, exactly the same reasons which denied visitors to the house and unnecessary personal intercourse with the sick person before death, exist in undiminished force until the body of the deceased has been removed and buried, and the house in which it died has been disinfected

## DEATH OF THE HON. ELISHA JOHNSON.

It is with saddened hearts and a deep sense of a great loss that we announce the death of our late colleague, the Hon. Elisha Johnson. He was present at the last meeting of the Board, and died on the 18th of February, less than three weeks after.

Mr. Johnson was appointed a member of the State Board of Health by Governor Waller in 1884, to fill the vacancy caused by the death of Hon. A. H. Lippitt, of New London.

During all his connection with the Board he has ever been faithful to his duties, prompt and regular in his attendance to the very last, and unflagging in his interest in the work in which the Board is engaged.

The members of the Board had learned to rely upon his sagacious counsels and his matured judgment with unquestioning confidence in all matters requiring legal advice. As a co-worker in a good cause, as an earnest right-minded man, and as a conscientious public servant he won the high regard of his colleagues, and his memory will ever be cherished with honor and respect.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, February 16, 1891.



# METEOROLOGICAL REPORT FOR THE MONTH OF FEBRUARY, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	Baro- meter †	TEMPERATURE. ‡				RELATIVE HUMIDITY. §		WIND.				Precipi- tation. Inches and Amount.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
		Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Range.	Minimum.	Maximum.	8 A. M.		8 P. M.					
									Direction.	Vel. m. per h.	Direction.		Vel.			
1	29.77	37.8	46.0	61	77.0	19.	33.	52.	W	6	W	18	.47	Cloudy	Cloudless	Partly Cl'dy
2	30.26	38.4	36.	56	63.0	9.	31.	40.	NW	4	N	10	0	Cloudless	Cloudless	Cloudless
3	29.68	39.3	44.8	72	83.5	20.	95	72	W	18	W	18	.76	Sprinkling	Cloudy	Cloudy
4	30.16	18.2	15.0	55	54.5	5.	56	18	SW	18	NW	8	0	Cloudless	Cloudless	Cloudless
5	30.55	11.1	28.3	66	56.0	21.	40	29	SW	3	NW	12	0	Cloudless	Cloudless	Cloudless
6	30.10	32.4	35.0	100	99.0	17.	98	27	SW	3	S	3	.33	Light Rain	Foggy	Cloudy
7	29.93	28.0	33.1	96	93.0	12.	90	39	NE	10	NE	9	.21	Light Snow	Heavy Snow	Cloudy
8	30.14	28.4	26.0	75	86.0	27.	92	33	NE	11	N	9	.15	Light Rain	Cloudless	Cloudy
9	30.20	17.0	35.0	100	91.0	21.	87	26	NE	8	E	11	.42	Light Rain	Cloudless	Cloudy
10	29.86	30.9	33.7	56	77.0	34.	98	36	SW	6	NW	12	.41	Cloudless	Cloudless	Cloudless
11	30.30	25.0	28.4	64	72	38.	94	42	NW	3	NW	3	0	Cloudy	Cloudy	Cloudy
12	30.21	23.8	37.0	77	79.5	19.	77	37	SW	2	S	6	0	Cloudy	Cloudy	Partly Cl'dy
13	30.05	32.1	35.7	82	75.5	30.	81	41	NW	4	NW	4	11	Cloudless	Cloudless	Cloudless
14	30.56	11.1	35.0	60	58.5	11.	70	36	N	15	N	8	0	Cloudless	Cloudless	Cloudless
15	30.56	11.1	35.0	58	72	26.	57	20	SW	5	SW	15	20	Cloudless	Cloudless	Cloudless
16	29.61	41.3	40.4	90	98.5	34.	99	40	S	15	S	3	.31	Light Rain	Sprinkling	Cloudy
17	29.66	47.0	44.2	100	100.0	11.	99	46	E	4	E	6	.47	Sprinkling	Cloudless	Partly Cl'dy
18	29.81	36.1	33.8	60	79.5	18.	99	60	N	1	N	8	.27	Cloudy	Cloudless	Partly Cl'dy
19	30.53	24.1	28.0	62	61.0	34.	90	27	N	12	N	4	.20	Light Snow	Light Rain	Cloudy
20	30.32	25.1	27.4	60	68.0	32.	94	98	NE	6	NE	13	.16	Light Snow	Heavy Rain	Cloudy
21	29.77	29.7	39.5	97	97.5	15.	97	34	NE	3	N	3	.16	Cloudless	Cloudless	Partly Cl'dy
22	30.02	35.8	31.4	78	70.5	41.	92	49	NW	5	NW	12	.32	Partly Cl'dy	Cloudy	Partly Cl'dy
23	30.48	23.1	31.3	78	68.0	20.	98	20	S	2	S	12	.16	Cloudy	Cloudy	Cloudy
24	30.26	35.7	43.0	81	80.0	52.	79	81	S	14	S	12	.13	Partly Cl'dy	Light Rain	Cloudy
25	30.64	44.0	48.4	99	84.5	44.	90	99	SW	1	SW	12	.05	Light Rain	Light Snow	Cloudy
26	29.44	36.3	31.3	98	98.0	37.	98	98	N	12	N	16	.35	Light Rain	Cloudless	Cloudless
27	29.96	25.0	22.0	60	61.5	22.	63	60	NW	18	NW	8	.15	Cloudless	Sprinkling	Partly Cl'dy
28	30.32	22.1	37.7	26.	80.5	38.	63	98	0	0	S	20	.35	Cloudless	Sprinkling	Partly Cl'dy
Month	30.082	29.5	33.8	32.4	78.6	25.5	70.8	77.5	NW	7.0	N	9.5	Total.	5.88		
													20.8	218.2		

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and roots.)
		Prevalving direction, N.	Total number of days on which precipitation occurred, 17.		1873--26.9 deg.	1883--27.6 deg.	
Monthly Mean, 30.082 inches.	Monthly Mean, 32.3 degrees.	Mean hourly velocity, 9.1.	*Greatest 24 hour precipitation (in. and roots), .35; † Date, 1873--24.5		1874--28.3	1884--31.7	1873--3.49
Highest, 30.724 in.; Date, 15th.	Highest, 54 deg.; Date, 25th.	Max. hourly velocity and direction, 33 miles S, Date, 28th.	† Total monthly precipitation (in. and roots), .58		1875--24.5	1885--19.7	1874--3.86
Lowest, 29.366 in.; Date, 26th.	Lowest, 8 deg.; Date, 5th.	Total monthly movement, 6,108 miles.	Total depth of snow fall (inches and roots), 5.38		1876--31.2	1886--20.8	1875--3.98
Monthly range, 1.358 in.	Least daily range, 4 deg.; Date, 15th.		Total excess or deficiency of precipitation since Jan. 1 = +4.23 in.		1877--35.9	1887--29.8	1876--4.49
	Mean daily range, 13.6 degrees.				1878--34.2	1888--22.0	1877--4.47
	Jan. 1 = + 228 deg. fcs.				1879--27.8	1889--25.0	1878--6.47
					1880--35.8	1890--35.5	1879--3.89
					1881--31.6	1891--32.3	1880--3.80
					1882--31.6	1892--32.3	1881--6.17
					1883--31.6	1893--32.3	1882--4.52

Monthly mean humidity, 78.6 per cent. Monthly mean dew point, 25.2. Number of cloudless days, 7. Number of partly cloudy days, 9. Number of rainy days, 12. Date of Solar Halos, 19th, 28th. Date of Lunar Halos, none.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 10 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. † Humidity relative, saturation being 100. water recorded. A "T" in rainfall column indicates precipitation too small to measure.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MARCH, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of March, 1891.

The Census Population is only approximate, the exact enumeration is not yet received from the Census Bureau at Washington.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Neurpal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,340	16	18.5	5	31.2	---	---	---	---	2	1	1	---	---	---	---	---	1	1	1	3	1	2	1	1	2	1
Bridgeport.....	48,740	74	17.2	19	25.6	---	---	---	---	2	4	2	---	---	---	---	---	1	9	9	9	2	11	5	4	25	5
Bristol.....	7,380	9	14.6	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	19,430	33	20.3	6	18.1	---	---	---	---	1	1	---	---	---	---	---	---	2	2	2	4	1	4	1	3	15	3
Derby.....	5,960	5	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	7,200	12	20.0	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	10,140	15	17.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,500	6	13.0	1	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,000	95	19.0	22	21.2	---	---	---	---	2	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killing.....	7,040	11	18.7	4	39.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,200	6	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.....	25,320	35	16.5	14	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Milford.....	15,100	22	12.7	3	13.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Natick.....	6,220	9	17.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,000	25	15.8	9	36.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	85,830	132	16.6	37	28.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New York.....	13,780	20	17.3	5	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norfolk.....	17,730	21	14.2	6	28.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,030	39	20.3	16	41.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam.....	6,500	9	16.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,500	10	21.8	3	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,360	30	23.1	3	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,800	7	15.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,000	7	13.2	3	42.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	8,000	6	11.9	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,800	13	17.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,660	7	12.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	33,180	40	17.7	11	22.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	6,170	10	19.4	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,000	32	38.4	11	34.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	500,580	768	18.4	195	25.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
138 of less than 5,000 inhabitants.....	243,027	300	17.7	56	15.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 167 towns.....	744,278	1128	18.1	251	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of town not reporting.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 11; in Middletown, 6; and in New Haven, 13. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in March: Andover, Bolton, Canaan, Eastford, East Granby, Hampton, Killingworth, Marlborough, Monroe, Old Saybrook, Oxford, Salem, Saybrook, Scotland, Sterling, Union, Westbrook, Willington, Wolcott, Woodbury, Woodstock—21.

The Registrars of all the towns have made report for March.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 26 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Avon, Bloomfield, Bridgeport, Brooklyn, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, Hartford, Hebron, New Hartford, New Haven, Newtown, Norwalk, Ridgefield, Rocky Hill, Roxbury, Salem, Suffield, Norwich, Orange, Thomaston, Wethersfield, Westport—26.

The mortality report for March has been received from 167 towns in Connecticut. There were 1123 deaths reported in the State during the month. This was 180 more than in February; it was 31 more than in March, 1890, and 45 more than the average number of deaths in March for the five years preceding the present.

The number of deaths in the first quarter of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794

The death-rate for the large towns was 18.4; for the small towns 17.7, and 18.1 for the whole State.

The deaths from Zymotic diseases were 150, being 13.3 per cent. of the total mortality against 15.1 per cent. in February.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Small Pox**—Greenwich—1 death.

**Measles**—Bridgeport, Brooklyn, Coventry, East Haddam, Greenwich, Haddam, Hartford, New Haven, Newtown, Norwalk, Norwich, Orange, Ridgefield, Roxbury, Salem, Thomaston, Wallingford, Waterbury, Wethersfield, Windham—24 deaths.

**Scarlet Fever**—Bridgeport, Greenwich, Hartford, New Haven, New Milford, Norwalk, Orange, Stamford, Thomaston, Windham—7 deaths.

**Cerebro-Spinal Fever**—Ansonia, Branford, Bridgeport, Colebrook, Cromwell, Danbury, Hartford, Milford, Meriden, New Haven, Stonington, Thompson, Waterbury, Winchester—21 deaths.

**Diphtheria and Croup**—Avon, Bridgeport, Danbury, Griswold, Haddam, Hartford, Killingly, Lisbon, Meriden, Middletown, New Britain, New Haven, Norwalk, Norwich, Preston, Stamford, Thompson, Voluntown—33 deaths.

**Typhoid Fever**—Bloomfield, Danbury, Durham, Groton, New Hartford, Norwalk, Norwich, Orange, Putnam, Ridgefield, Roxbury, Southington, Vernon, Westport, Winchester—11 deaths.

The general death-rate of the State has increased since February, being 16.1 as against 15.3 of that month. The greater mortality is largely from Measles, Cerebro-Spinal Fever and Pneumonia.

Measles is very generally prevalent throughout the State. It exists more or less epidemically in several towns in every county of the State. The mortality is greater than from Scarlet Fever.

Pneumonia was unusually fatal. There were 159 deaths as against 95 in February.

Reports of a reappearance of "La Grippe" from many places throughout the State have been received, and the influence of this disease upon pulmonary affections will explain the excessive mortality from Pneumonia, and it probably has an influence upon the results of Measles. La Grippe is not as universally present as in January of 1890. It is more localized, and is described as occurring in a modified form.

Small Pox has made its reappearance in Connecticut after an absence of about a year. It has appeared in two remote parts of the State, and in each case from a separate outside source. The first case was reported in Greenwich. It was brought from Texas. A returned soldier came home—soon after, some children in the family had an eruption which was diagnosed as Chicken Pox. From these children the case of Small Pox was believed to have been contracted. Upon closer investigation it was concluded that the supposed Chicken Pox was in fact Varioloid, the infection of which was brought by the returned soldier. The other case was reported in Waterbury, and originated as it so commonly does, in the rag department of a paper mill. The Waterbury case is a woman who went there having been recently employed picking rags in the Springfield Paper Mill in Westfield, Mass.

This office is informed that every precaution is being taken by the health authorities of both Waterbury and Greenwich to protect the public. The well known energy and experience of the Health Officers of these towns justifies the belief that the disease will not be permitted to extend beyond the primary cases.

In regard to the prevalence of Small Pox in Connecticut, one source of danger of a future epidemic may be in consequence of the present rarity of its occurrence. There are physicians who have been in practice within our borders for several years who have never had an opportunity of seeing the disease, and hence fail to recognize it when it occurs in a modified form.

Only a little over a year ago the disease gained an extensive footing in Meriden from the inexperience of the health authorities and their inability to recognize Varioloid in a case which they called Chicken Pox. These two instances should sufficiently emphasize the importance of daily observations of every case of supposed Chicken Pox, until the diagnosis is verified beyond the possibility of mistake.

There was an occurrence in Hartford of that rare zoonogenous disease, Hydrophobia. In this case it was incurred from the bite of a pet dog which was not supposed to be rabid, although known to be ill.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, April 15, 1891.



# METEOROLOGICAL REPORT FOR THE MONTH OF MARCH, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				PRECIPITATION. Inches and Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Range.	Minimum.	Maximum.	8 A. M.		8 P. M.			Max. Velocity.	8 A. M.		8 P. M.
								Direction.	Vel. per h.	Direction.	Vel.					
1	30.50	17.0	15.0	18.	63	58	60.5	N	12	N	10	300	19	Cloudless	Cloudless	
2	30.52	6.9	16.1	12.	47	77	62.0	N	9	N	8	232	20	Cloudless	Partly Cl'dy	
3	30.28	16.2	29.0	22.	16	93	91.5	N	15	N	10	330	20	Light Snow	Light Snow	
4	29.92	29.0	28.9	30.	7.	93	80.5	N	21	N	12	380	31	Light Snow	Cloudless	
5	30.06	23.1	24.0	25.	31	68	60.0	W	7	N	12	325	30	Cloudless	Cloudless	
6	30.15	20.2	29.1	25.	12.	51	68.0	N	12	N	6	224	22	Cloudless	Partly Cl'dy	
7	30.12	29.3	34.0	36.	14.	61	67.5	N	5	N	7	135	13	Cloudless	Cloudless	
8	30.16	34.0	30.0	35.	16.	74	86.0	N	9	E	8	159	19	Cloud	Heavy Rain	
9	29.98	35.1	43.0	42.	19	99	100	N	13	E	8	314	20	Light Rain	Light Rain	
10	30.22	35.0	36.9	39.	33.	69	70.5	N	18	W	5	204	24	Cloudless	Cloudless	
11	30.43	32.2	39.1	37.	8.	68	73	N	1	W	4	110	12	Cloudless	Cloudless	
12	30.24	40.1	41.7	40.	20.	76	73	S	6	S	3	138	10	Partly Cl'dy	Light Rain	
13	29.56	43.7	43.0	44.	32.	98	97	E	6	SW	17	294	18	Light Rain	Cloudy	
14	29.88	31.0	26.4	30.	12.	98	97	W	24	SW	17	458	30	Cloudless	Cloudless	
15	30.30	22.9	32.0	28.	15.	57	53	N	14	SW	14	262	26	Partly Cl'dy	Cloudless	
16	30.06	32.8	31.4	38.	20.	72	56	N	14	N	12	396	27	Cloudy	Partly Cl'dy	
17	30.28	17.4	28.0	24.	18.	51	56	N	11	N	3	250	26	Cloudless	Cloudless	
18	30.08	32.1	39.2	34.	19.	63	79	W	10	S	6	242	20	Cloudless	Cloudless	
19	30.19	40.0	33.1	37.	10.	70	83	N	16	N	13	268	25	Cloudy	Cloudy	
20	30.26	32.2	34.0	36.	32.	79	82	N	12	N	13	387	24	Cloudy	Cloudy	
21	29.84	31.9	35.4	34.	31.	9.	79	N	24	N	24	576	34	Light Rain	Light Rain	
22	29.70	41.2	52.1	45.	35.	97	98	N	25	N	22	576	34	Cloudy	Cloudy	
23	29.96	53.1	47.0	55.	35.	97	99	N	17	E	17	373	28	Cloudy	Light Rain	
24	30.16	38.9	48.8	46.	47.	16	97	N	15	N	17	385	33	Cloudy	Cloudy	
25	30.18	41.4	40.1	44.	30.	95	76	N	14	N	7	287	19	Cloudy	Cloudy	
26	30.36	29.2	35.1	34.	13.	65	53	N	8	N	10	311	25	Partly Cl'dy	Cloudless	
27	30.36	29.2	35.1	32.	17.	56	61	N	19	N	4	248	21	Cloudless	Cloudless	
28	29.86	36.1	40.0	42.	25.	71	93	N	12	E	5	197	14	Cloudy	Cloudless	
29	29.92	42.1	48.8	45.	32.	68	49	N	16	S	2	232	18	Cloudless	Partly Cl'dy	
30	30.12	42.0	45.0	44.	22.	63	48	N	12	N	11	283	24	Cloudless	Partly Cl'dy	
31	30.08	34.1	38.1	36.	43.	62	92	N	8	S	4	250	19	Cloudless	Cloudless	
31	30.08	34.1	38.1	36.	15.	62	92	S	8	S	7	173	19	Partly Cl'dy	Partly Cl'dy	
Month.	30.112	31.7	35.6	35.1	14.8	72.1	75.3	N & E	12.3	N & E	9.9	283.3	22.3	Total.	3.68	

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and rooths.)
		Prevaling direction, N. E.	Mean hourly velocity, 11.8.	Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1873--32.2 deg.	1883--20.9 deg.	
Monthly Mean, 30.112 inches.	Monthly Mean, 35.1 degrees.	Max. hourly velocity, 100.	Max. hourly velocity, 11.8.	Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1874--35.0	1884--32.6	1873--4.95
Highest, 30.56 in.; Date, 2d.	Highest, 63 deg.; Date, 23rd.	Lowest, 3 deg.; Date, 2d.	Lowest, 3 deg.; Date, 2d.	Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1875--26.9	1885--26.9	1874--1.54
Lowest, 29.429 in.; Date, 13th.	Absolute range, 30 degrees.	Lowest, 3 deg.; Date, 2d.	Absolute range, 30 degrees.	Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1876--35.5	1886--34.4	1875--3.24
Monthly range, 1.151 in.	Greatest daily range, 22 deg.;	Total monthly movement, 8,783 miles.	Total monthly movement, 8,783 miles.	Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1877--38.0	1887--31.3	1876--10.15
	Least, 14th.			Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1878--35.5	1888--29.4	1877--8.09
	Mean daily range, 14.8 degrees.			Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1879--38.7	1889--38.7	1878--4.16
	Total excess or deficiency since Jan. 1 = + 25.1 degrees.			Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1880--36.7	1890--34.2	1879--5.82
				Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1881--36.1	1891--35.1	1880--5.68
				Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1882--36.9	1892--35.1	1881--10.42
				Total number of days on which precipitation occurred, 11.	*Greatest 24 hour precipitation, (in. and rooths) .99.	1883--36.9	1893--35.1	1882--3.59

Monthly mean humidity, 73.7 per cent. Monthly mean dew point, 25.6. Number of cloudless days, 12. Number of partly cloudy days, 6. Number of cloudy days, 13.

NOTES.—Observations taken on the 75th Meridian time. Date of Solar Halos, 2d, 6th, 7th, 17th, 18th, 27th. Date of Lunar Halos, 15th, 18th. Elevation of thermometers above the ground, 113 feet; Elevation of rain and snow gauges, 109 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. ‡ Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF APRIL, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of April, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representative Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,342	12	13.9	3	25.0				1	2								1					3	3		2	1
Bridgeport.....	48,866	80	18.4	19	23.7	7			1	1	4	1								6	20	2	8	5	4	21	4
Bristol.....	7,382	12	19.5	2	16.6																					1	1
Danbury.....	19,473	12	7.3	3	25.0															2	1	2	1	2		5	1
Derry.....	5,960	12	24.1	2	16.6				2	1										2	4	1					
Enfield.....	7,199	10	16.6								1									3		1			2		
Greenwich.....	10,131	21	24.8						5		1	2								1	2		4			6	2
Groton.....	5,539	7	15.1	2	28.5																						
Hartford.....	53,230	113	20.5	28	24.7			4			7			2						13	15	3	6	13	3	45	1
Killingly.....	7,027	15	25.0	6	40.0									1						1	2	1	4	1			4
Manchester.....	8,222	8	11.6									1								1	8	2	1			2	6
Medford.....	25,423	28	13.2	7	25.0															5	8	4			2	0	3
Middletown.....	15,205	25	11.6	5	20.0															4	3	1			1	5	
Nashua.....	6,218	14	27.0																	4	3						2
New Britain.....	19,007	24	15.1	6	25.0				1	5		1		3						16	37	7	20	12	7	39	10
New Britain.....	86,045	153	18.2	29	18.9															1	6	2	3	7	2	0	2
New London.....	13,757	30	26.1	9	30.6															3	8	3	2	2	1	9	3
Norwalk.....	17,747	36	24.3	5	25.0									1						2	3	1	3			1	7
Norwich.....	23,648	22	11.4	5	20.7															2	2					1	2
Putnam.....	6,512	8	17.7	3	37.5																						
Southington.....	5,593	50	38.2	18	36.0															2							
Stamford.....	15,700	50	38.2	18	36.0															1	10	7	17	3	2	2	5
Stonington.....	21,350	3	9.5	6					3		2									1	2	1	3			1	1
Thompson.....	4,586	10	21.5	2	20.0	3														3		1					
Torrington.....	6,048	12	23.8	2	16.6																						
Vernon.....	8,808	15	20.1	1	6.6															1	3						0
Wallingford.....	6,581	7	12.7	1	14.2															1						7	1
Waukegan.....	33,202	47	17.9	9	19.1															1	13	3	6	1		10	5
Winchester.....	6,183	6	11.6																								2
Windham.....	10,032	16	19.1	5	31.2															1	2						1
Total of the 30 above towns.....	501,164	831	19.8	178	21.4	16		11	17	9	21	6	6	5	7	1	5	3	1	91	158	37	102	75	33	227	44
137 of less than 5,000 inhabitants.....	244,510	429	21.1	33	7.7	17		4	1	8	7		2	4	2	----	3		1	58	72	15	38	43	16	138	9
Total reported from 167 towns.....	745,674	1260	20.3	211	16.7	33		15	18	17	28	6	8	9	9	1	8	3	2	149	230	52	140	118	49	365	53
Population of town not reporting.....	584																										

The Mortality in Public Institutions of the State were: in Bridgeport, 5; in Hartford, 22; in Middletown, 11; and in New Haven, 22. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in April: Ashford, Beacon Falls, Bethlehem, Bolton, Chaplin, Cheshire, East Haven, Goshen, Lisbon, North Branford, Roxbury, Salem, Scotland, Sherman, Union, Wolcott—16.

The Registrar of the following town has made no report for April: Morris—I.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 31 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Avon, Bolton, Brooklyn, Coventry, Durham, East Haddam (Moodus), Greenwich, Griswold, Guilford, Haddam, Hartford, Hebrnn, Madison, Naugatuck, Newtown, Norwalk, Orange, Ridgefield, Rocky Hill, Salem, Stamford, Stonington (Mystic), Southbury, Thomaston, Union, Watertown, West Hartford, Wethersfield, Westport, Windham—31.

The mortality report for April has been received from 167 towns in Connecticut. There were 1260 deaths reported in the State during the month. This was 132 more than in March; it was 173 more than in April, 1890, and 192 more than the average number of deaths in April for the five years preceding the present.

The number of deaths in the first four months of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter, 3065	3834	2863	3282	2819	2794	
April,	1260	1087	1073	1116	1011	1056

The death-rate for the large towns was 19.8; for the small towns 21.0, and 20.3 for the whole State.

The deaths from Zymotic diseases were 157, being 12.4 per cent. of the total mortality against 13.3 per cent. in March.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Small Pox**—Greenwich.

**Measles**—Ansonia, Coventry, Derby, Durham, Greenwich, Griswold, Haddam, Hartford, Hartland, Hebron, Montville, Moodus, Mystic, New Haven, Newtown, Norwalk, Norwich, Orange, Salem, Stamford, Union, Wethersfield, Westport, Windham—15 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Burlington, Collinsville, Greenwich, Hartford, Naugatuck, New Haven, New London, Norwalk, Orange, Rocky Hill, Southbury, Stamford, Thomaston, Torrington, Windham—18 deaths.

**Cerebro-Spinal Fever**—Ansonia, Bridgeport, Derby, Farmington, Hamden, Hebron, Huntington, Middlebury, New Hartford, New London, Putnam, Thomaston, Torrington, Wallingford, West Hartford, Windsor Locks—17 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Chatham, Durham, Eastford, East Hartford, Enfield, Greenwich, Haddam, Hartford, Killingly, New Haven, New London, Orange, Southbury, Stamford, Union, Voluntown, Waterbury, Windham—28 deaths.

**Typhoid Fever**—Ansonia, Branford, Durham, Hartford, Killingly, Norwalk, Orange, Suffield, West Hartford, Windham—9 deaths.

The mortality reports for April indicate an unusual amount of sickness and deaths throughout the State. It does not seem to be specially localized in any particular portions of the State, but there was general increase of the death rate in almost every part.

It is noticeable that the death-rate in the small towns is higher than in the large ones.

The increment is accredited chiefly to diseases of the pulmonary organs.

Pneumonia had 229 deaths which is 100 more than the average of the previous three months. La Grippe, which is intimately associated with Lung diseases is charged with 33 deaths while it was reported fatal in only one instance before, this year. Deaths from Heart diseases and diseases of the nervous system have also notably increased.

Scarlet Fever and Measles have been quite prevalent in many towns in the State, and although the fatality has been considerable, the percentage of total amount of sickness from these diseases has been small.

The deaths from Diphtheria have been steadily diminishing since the beginning of the year.

The interest, however, which attaches to this formidable disease, on account of its epidemic character and its frequent malignity does not abate.

The ardor with which the study of its causation has been pursued among those who are engaged in that branch of medical science, has been at last rewarded by the discovery of the true Diphtheria Baccillus.

The most eminent bacteriologists in the world with great unanimity announce the fact.

Dr. Klein, the eminent English bacteriologist, has published an elaborate report in the Nineteenth Annual Report of the Local Government in which he enters into the details of his methods of investigation and his tests.

His paper contains several facts of prime importance, a knowledge of which should be generally known. Among them are the following: Some of the lower animals particularly cows and house cats are susceptible to this disease, and instances are cited in which the domestic cat has communicated the infection to the family to which it belonged, with fatal results.

He has also demonstrated the presence of the infection in the milk of cows previously inoculated with Diphtheria bacilli.

He takes occasion to emphasize another fact which is of great practical importance and should always be borne in mind by health officers, to wit: The contagion of Diphtheria is to be classed with those which can exist and thrive outside the human body. "It is a matter of common belief," he says; "that a room may retain active the diphtheritic contagion for a very long period; that milk may be not only the vehicle, but even the multiplying ground of the diphtheritic contagion; and that sewer air and sewage may contain and be the means of distributing this contagium."

These points are of much import in investigating new outbreaks of this disease.

## TO THE REGISTRARS.

The Secretary earnestly requests the Registrars to be more prompt in the returns of the monthly statement of mortality. Every month there are from 25 to 40 who are tardy in their reports, and to whom one or more reminders have to be sent to obtain them.

If every Registrar complied with the law, a statement from every town in the State would reach the Secretary before the 9th day of each month, and the "Bulletin" could be issued several days earlier. Because of these laggards, the "Bulletin" is obliged to be delayed, as the necessary computations cannot be made until all the reports are received.

The law requires them to be sent on or before the 7th of each month. It is just as easy to send them then as a week after.

At this writing, May 14, the reports from 4 towns for April are still wanting.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1891.

# METEOROLOGICAL REPORT FOR THE MONTH OF APRIL, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.			WIND.				PRECIPITATION. Inches. An'th. Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Baro- meter.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Move- ment.	Max. Velo- city.		Direction.	Direction.		
						Direction.	Vel. per h.	Direction.	Vel.							
1	30.12	36.0	39.3	40.	78	88	83.0	N E	9	S E	7	188	0	Cloudy	Cloudy	
2	29.95	38.0	33.0	38.	72	96	84.0	E	8	N E	12	280	.01	Cloudy	Light Snow	
3	29.34	37.8	41.0	39.	63	62	62.5	N W	18	W	5	434	.50	Partly Cloudy	Cloudy	
4	29.64	39.7	35.0	39.	73	60	66.5	W	10	N W	7	228	T	Cloudy	Cloudless	
5	29.64	33.2	36.0	36.	51	36	43.5	N W	8	W	6	183	0	Partly Cloudy	Cloudless	
6	29.89	32.5	35.1	34.	46	48	53.5	W	10	N W	6	166	0	Partly Cloudy	Cloudless	
7	29.95	34.7	36.4	34.	60	60	60.0	W	11	N W	7	233	0	Cloudless	Cloudless	
8	29.22	37.0	40.1	36.	60	50	55.0	W	5	N W	4	158	0	Cloudless	Cloudless	
9	30.45	38.0	42.4	42.	52	55	75	N W	7	S	3	172	0	Cloudy	Cloudy	
10	30.55	40.0	41.6	40.	47	76	75.5	S E	4	S E	7	129	.45	Light Rain	Light Rain	
11	30.22	42.3	47.0	44.	49	93	92.5	S E	8	S	15	294	.19	Cloudless	Partly Cloudy	
12	29.96	50.4	49.4	50.	65	71	66	N W	8	W	8	237	.51	Cloudless	Cloudless	
13	30.10	49.4	50.0	52.	61	68	65	N W	7	S W	6	209	0	Cloudy	Cloudy	
14	30.09	53.3	53.1	55.	45	51	70.0	S W	6	S	4	178	.14	Cloudy	Light Rain	
15	30.05	52.5	47.0	52.	58	46	52	N E	7	N E	10	161	.02	Partly Cloudy	Cloudy	
16	30.18	49.1	35.5	52.	63	42	51	N E	8	S W	5	133	0	Cloudless	Partly Cloudy	
17	29.99	49.4	41.2	54.	67	80	76.5	N E	8	S E	6	189	0	Cloudless	Cloudy	
18	29.99	49.4	41.2	54.	67	80	76.5	N E	8	S E	6	189	0	Cloudless	Cloudy	
19	29.92	58.0	58.6	60.	69	52	66.5	S W	1	S W	7	238	.40	Cloudless	Cloudless	
20	30.33	48.2	49.0	50.	57	42	52.5	N	15	N	21	233	.24	Cloudless	Cloudless	
21	30.33	48.2	49.0	50.	57	42	52.5	N	15	N	21	233	.24	Cloudless	Cloudless	
22	29.93	52.5	62.4	59.	73	45	62.4	S E	4	S	8	210	0	Cloudless	Cloudless	
23	29.54	59.1	63.0	65.	75	55	70.0	S W	12	W	7	271	.26	Partly Cloudy	Partly Cloudy	
24	29.67	53.2	53.0	55.	60	50	55.0	S W	5	S W	4	187	0	Cloudy	Cloudy	
25	29.69	43.0	40.4	43.	48	35	43.0	W	18	N W	3	253	.20	Partly Cloudy	Cloudless	
26	30.01	44.1	57.1	48.	61	35	48.0	N W	16	N W	12	266	0	Cloudy	Cloudless	
27	29.91	53.7	64.0	60.	76	45	60.0	W	6	S W	8	218	0	Cloudless	Cloudless	
28	29.82	52.3	49.0	50.	58	49	53.0	N W	9	N W	18	332	0	Partly Cloudy	Cloudless	
29	29.88	52.3	52.2	48.	58	37	49	N W	16	N W	12	291	0	Cloudless	Cloudless	
30	29.73	52.5	60.0	60.	61	45	53.0	S W	5	S W	6	137	0	Cloudless	Cloudless	
Month.	29.980	46.7	48.9	48.7	67.6	65.0	66.3	W & N W	8.4	N W	7.5	217.6	Total.			2.35
												10.5				

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL.	
	Monthly Mean, 29.980 inches.	Monthly Mean, 48.6 degrees.	Prevailing direction, N. W.	Total number of days on which precipitation occurred, 8.	Maximum hourly velocity, 9.1.	Maximum hourly precipitation, .01.	1871--1880	1881--1890	(inches and tenths).	
Highest, 30.579 in.;	Highest, 79 deg.; Date, 19th.	Lowest, 24 deg.; Date, 8th.	Max. hourly velocity and direction, 38 miles N. E. Date, 3d.	*Greatest 24 hour precipitation, 11 & 12; Total monthly precipitation, 6.528 inches.	Max. hourly velocity and direction, 38 miles N. E. Date, 3d.	Max. hourly precipitation, .01.	1871--1880	1881--1890		
Lowest, 29.248 in.,	Absolute range, 55 degrees.	Greatest daily range, 37 deg.; Date, 30th.	Total monthly movement, 6,528 miles.				1871--1880	1881--1890		
Monthly range, 1.331 in.	Least, daily range, 8 deg.; Date, 4th.	Mean daily range, 17.7 degrees.					1871--1880	1881--1890		
	Total excess or deficiency since Jan. 1 = + 337 degrees.						1871--1880	1881--1890		

Monthly mean humidity, 66.3 per cent.

Monthly mean dew point, 56.1. Number of cloudless days, 15. Number of partly cloudy days, 7. Number of cloudy days, 8.

Date of Solar Halos, 6th, 10th, 14th. Date of Lunar Halos, 17th. Date of Thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 103 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. ‡ Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MAY, 1891.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of May, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malaria Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,842	13	15.0	4	30.7	---	---	---	1	1	---	1	---	---	---	---	---	---	---	1	3	1	3	---	---	2	2
Bridgeport.....	48,866	90	20.1	19	21.1	8	---	1	2	---	2	---	1	1	1	---	---	2	---	9	14	4	3	5	4	30	6
Bristol.....	7,882	15	24.3	1	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	4	3	1	4	---	---
Danbury.....	10,473	39	24.0	7	17.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	2	3	1	5	14	---
Derby.....	5,969	15	30.1	3	20.0	---	---	---	---	3	---	---	---	---	---	---	---	---	---	5	5	2	2	3	5	1	1
Enfield.....	7,199	9	15.0	4	44.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	2	2	1	3	1	---
Greenwich.....	10,131	12	14.2	1	8.3	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,439	7	15.1	1	14.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,230	95	15.3	17	17.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	6	4	7	12	5	36	4
Killingly.....	7,027	14	23.9	3	21.4	---	---	---	3	2	---	---	---	---	---	---	---	---	---	2	2	3	3	---	---	---	---
Manchester.....	8,222	10	14.5	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.....	25,423	25	11.8	5	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton.....	15,205	26	10.2	3	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.....	6,218	6	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,097	25	15.7	7	28.0	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	86,045	156	19.6	31	19.2	---	---	---	3	1	---	---	---	---	---	---	---	---	---	18	33	9	19	10	4	47	10
New London.....	13,757	16	13.9	5	31.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.....	17,747	23	15.5	6	26.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,048	37	19.2	9	24.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.....	6,512	8	14.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,801	3	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,700	32	24.4	7	21.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,184	9	15.0	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,880	9	19.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	6,048	5	9.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,808	18	24.5	4	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,854	12	21.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	33,202	54	19.5	20	37.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	6,183	10	19.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,032	23	27.5	6	26.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	501,164	816	15.5	166	20.3	10	---	7	16	17	41	3	4	6	4	3	2	8	3	100	97	32	103	59	35	266	40
136 of less than 5,000 inhabitants.....	243,972	355	17.4	31	8.7	16	---	4	3	8	15	2	---	4	2	2	1	1	2	34	53	11	34	37	14	112	14
Total reported from 166 towns.....	745,136	1,171	18.8	197	16.8	26	---	11	19	25	56	5	4	10	6	5	3	9	5	134	150	43	137	96	49	378	54
Population of town not reporting.....	1,122	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 8; in Hartford, 27; in Middletown, 13; and in New Haven, 15. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in May: Beacon Falls, Berlin, Bethlehem, Bridgewater, Burlington, Chaplin, Cheshire, Chester, East Haven, Hampton, Ledyard, Lisbon, Lyme, Marlborough, Morris, North Haven, Prospect, Roxbury, Sherman, Thomaston, Wolcott—21.

The Registrar of the following towns have made no report for May: Bolton, New Fairfield—2.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 20 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bridgeport, Bristol, Coventry, Farmington, Griswold, Guilford, Haddam, Hartford, Madison, Naugatuck, New Hartford, Norwalk, Orange, Rocky Hill, Salem, Stamford, Wethersfield, Westport, Wilton—20.

The mortality report for May has been received from 166 towns in Connecticut. There were 1171 deaths reported in the State during the month. This was 89 less than in April; it was 193 more than in May, 1890, and 235 more than the average number of deaths in May for the five years preceding the present.

The number of deaths in the first five months of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883

The death-rate for the large towns was 15.5; for the small towns 17.4, and 18.3 for the whole State.

The deaths from Zymotic diseases were 184, being 15.7 per cent. of the total mortality against 12.4 per cent. in April.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Ansonia, Bridgeport, Griswold, Milford, Naugatuck, New Haven, Norwalk, Preston, Salisbury, Stamford, Suffield, Waterbury, Wethersfield, Wilton—11 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Farmington, Greenwich, Haddam, Hartford, Manchester, Naugatuck, New Haven, Norwalk, Orange, Salisbury, Stafford, Stamford, Torrington, Waterbury, Wilton, Windham—19 deaths.

**Cerebro-Spinal Fever**—Ansonia, Ashford, Danbury, Derby, Goshen, Granby, Hartford, Huntington, Killingly, Manchester, Milford, Naugatuck, New Haven, New London, Plymouth, Pomfret, Sterling, Vernon, Winchester—25 deaths.

**Diphtheria and Croup**—Bloomfield, Bridgeport, Bristol, Brooklyn, Eastford, Enfield, Greenwich, Griswold, Hamden, Hartford, Huntington, Killingly, Meriden, Middletown, New Britain, New Haven, North Stonington, Norwalk, Norwich, Salem, Union, Wallingford, Waterbury—56 deaths.

**Typhoid Fever**—Ansonia, Bethel, Danbury, Fairfield, Farmington, New Hartford, New Haven, Norwalk, Putnam, Saybrook, Southington, Waterbury, Wethersfield—10 deaths.

La Grippe is still prevalent in all sections of the State, but is generally spoken of as abating in frequency and severity.

Scarlet Fever and Measles continue to be epidemic in many towns, but the mortality is small in proportion to the number afflicted.

Diphtheria was just twice as fatal as in the month of April.

Cerebro-Spinal Fever has also claimed more victims than in any other month in the year.

The Registrar of Thompson says, that for the first time in 17 years there has been one whole month without one death under 5 years old, in that town.

In Ansonia there are four cases of Typhoid Fever in children all attending the same school.

It is to be observed that the death-rate in the rural towns is again higher than in the cities and towns of over 5000 inhabitants. It illustrates the value of attention to public hygiene which now receives greater consideration in the cities than in the country.

## ABOUT REPORTING DISEASES TO THE STATE BOARD OF HEALTH.

The Secretary is in receipt of so many enquiries as to the duties of local health boards in this matter, that it is thought well to publish the statute relating to it.

This is the law:

SEC. 2580. When in any town a case of small pox, cholera, or any epidemic of infectious disease is known to exist, it shall be the duty of the clerk to immediately notify the Secretary of the State Board of Health of the existence of the same, with such facts as to its cause and continuance as may then be known. Any person violating any of the provisions of this section shall be fined not more than \$25 nor less than \$10.

The meaning of the law is clear enough. Each individual case of Small Pox and of Cholera is to be reported, and any unusual number of other infectious diseases. Also whatever may be known concerning the cause of occurrence.

The purpose of the law, is not only that the State Board may be constantly informed of the general condition of health in every part of the State, but that it may assist in the investigation of the origin of such diseases, as it did lately in the Typhoid Fever epidemic at Waterbury. And also that it may render such advice and direction where it is required, as will restrict the spread of these diseases and promote their extinction.

To this end the State Board keep constantly on hand ready for distribution on call, a series of circulars, detailing briefly but plainly the best known methods of preventing and restricting the several most important infectious maladies.

Whenever an outbreak occurs these circulars are immediately supplied for distribution in the neighborhood of the outbreak, in order that not only the family of the patients may know what to do but also that the neighbors may also know how they can best protect themselves.

In a few instances this duty is performed in the most formal and perfunctory manner, being merely a brief notification that certain diseases exist, and giving no other facts, but it is pleasing to be able to say that in most instances the information indicates an effort on the part of the local authorities to investigate the origin, and to take practical steps to control the outbreaks.

## REGISTRATION OF VITAL STATISTICS.

With this number of the Bulletin is completed the fourth year of its publication.

The appropriation made to the State Board of Health in common with the other institutions of the State, will expire with the close of the present month.

The registration of vital statistics throughout the State will be continued as the law requires until the present supply of record books and blanks are exhausted.

It is the purpose of the Board to continue this most important work, without interruption, so long as the stock in hand of the necessary means of record will make it possible. An interruption even for a brief period, would be a very serious impairment to the value of such registration, and it is to be earnestly hoped that State affairs will soon so shape themselves as to make any interruption unnecessary.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1891.

# METEOROLOGICAL REPORT FOR THE MONTH OF MAY, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, SERG'T SIG. CORPS, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.‡			WIND.				Precipitation. Inches. Am't.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
	Baro- meter.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.			Max. Velocity.	Direction.		Direction.	
								Direction.	Vel. per h.	Direction.	Vel.						
1	29.76	71.4	63.8	69.	79.	40	24	32.0	NW	5	NW	14	208	17	0	Partly Cl'dy	Cloudless
2	30.00	57.0	53.1	57.	64.	50	68	59.0	N	11	S	10	227	20	0	Partly Cl'dy	Partly Cl'dy
3	29.91	53.1	55.2	54.	60.	38	68	78.0	SE	6	NW	5	160	20	31	Light Rain	Cloudless
4	30.00	56.6	56.4	54.	64.	44	20.	58	SW	5	W	9	295	31	0	Cloudy	Cloudy
5	29.99	38.1	41.0	40.	46.	35	11.	49	W	10	W	5	224	28	0	Cloudy	Cloudy
6	29.94	41.0	42.0	40.	48.	31	17.	60	N	11	NW	6	196	21	0	Partly Cl'dy	Partly Cl'dy
7	30.13	45.1	51.1	47.	50.	38	18.	59	N	12	SW	4	236	20	0	Cloudless	Cloudless
8	29.99	53.0	60.2	54.	66.	42	24.	56	SW	5	W	6	184	18	0	Cloudy	Cloudy
9	29.88	62.0	74.8	69.	86.	52	34.	50	W	11	SW	2	165	16	0	Cloudless	Cloudless
10	29.90	50.1	65.8	58.	67.	48	19.	76	SE	1	SW	6	113	11	0	Cloudless	Cloudless
11	29.93	65.4	62.0	62.	74.	51	23.	64	SE	1	N	14	135	15	0	Cloudless	Cloudless
12	30.07	54.0	55.1	55.	60.	50	10.	60	NE	11	NE	12	306	23	0	Cloudy	Cloudy
13	30.08	55.0	58.1	57.	62.	43	29.	53	N	9	S	6	218	17	0	Partly Cl'dy	Partly Cl'dy
14	30.08	55.1	58.1	58.	64.	44	20.	58	S	1	SW	4	89	13	0	Partly Cl'dy	Cloudy
15	30.10	55.8	55.5	58.	64.	44	20.	55	NE	9	NE	5	187	19	0	Heavy Rain	Cloudy
16	29.97	47.8	49.5	48.	57.	51	8.	93	E	6	NW	12	189	16	79	Cloudless	Cloudless
17	29.97	47.8	49.5	48.	57.	51	8.	93	NW	20	NW	4	348	28	0	Cloudy	Partly Cl'dy
18	29.96	50.0	62.9	52.	67.	38	29.	65	E	5	NW	6	259	29	0	Smoky	Cloudless
19	30.29	51.3	52.0	52.	69.	44	15.	52	E	4	S	9	133	13	0	Partly Cl'dy	Cloudless
20	30.47	63.0	61.1	57.9	68.	45	23.	91	E	2	S	8	121	12	0	Cloudy	Cloudy
21	30.30	61.1	60.7	58.	70.	46	24.	84.0	S	8	SW	11	234	19	0	Partly Cl'dy	Partly Cl'dy
22	29.90	63.2	67.0	58.	80.	56	24.	79	SW	2	NW	10	194	19	0	Cloudy	Cloudy
23	30.12	57.0	52.1	56.	64.	49	15.	69	NE	11	S	10	226	18	0	Cloudless	Cloudless
24	30.15	55.4	52.0	53.	61.	45	16.	63	S	3	S	6	137	13	0	Cloudless	Cloudless
25	30.03	58.1	58.1	60.	69.	50	10.	70.5	SW	5	SW	7	167	19	0	Partly Cl'dy	Partly Cl'dy
26	29.95	57.0	57.0	58.	66.	51	15.	76	SW	2	NW	7	131	16	0	Cloudy	Cloudy
27	30.22	52.1	54.0	55.	66.	44	22.	68	NE	4	SE	4	199	18	0	Partly Cl'dy	Cloudless
28	30.16	58.4	57.4	54.	68.	40	28.	66	NE	18	SE	4	172	20	0	Heavy Rain	Cloudless
29	29.97	53.1	57.2	55.	60.	50	10.	99	NE	4	E	1	212	20	79	Sprinkling	Cloudy
30	29.97	57.4	61.0	61.	67.	55	12.	97	SE	1	SW	6	97	12	0	Partly Cl'dy	Cloudless
31	29.95	58.0	65.0	64.	74.	55.	19.	94	S	4	SW	3	94	12	0	Foggy	Cloudless
Month	30.026	55.0	59.9	55.9	65.5	46.4	10.1	07.9	SW	6.9	S & SW	7.0	188.9	18.5	Total		

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and roots.)	
	Monthly Mean.	Highest, 86 deg.; Date, 9th.	Lowest, 31 deg.; Date, 6th.	Prevailing direction, S. W.	Total number of days on which precipitation occurred, 5.	*Greatest 24 hour precipitation (in. and roots), .79 ; Date, 15 & 16; Total monthly precipitation (in. and roots), 1.92	1873--55.9 deg.	1883--56.5 deg.	1873--6.27	1883--11.52
Monthly range, 30.026 inches.	30.473 in.; Date, 20th.	Absolute range, 55 degrees.	Greatest daily range, 34 deg.; Date, 9th.	Mean hourly velocity, 7.9.			1874--56.8 "	1884--55.9 "	1874--4.92	1884--3.82
Monthly range, .790 in.	Least daily range, 8 deg.; Date, 16th.	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 316 degrees.	Max. hourly velocity and direction, 31 miles S. Date, 4th.			1875--55.2 "	1885--54.9 "	1875--2.71	1885--2.61
				Total monthly movement, 5,850 miles.			1876--56.8 "	1886--56.6 "	1876--3.12	1886--2.74
							1877--59.5 "	1887--60.5 "	1877--2.14	1887--1.18
							1878--55.7 "	1888--55.0 "	1878--3.75	1888--6.03
							1879--61.4 "	1889--57.8 "	1879--3.22	1889--3.81
							1880--64.3 "	1890--56.8 "	1880--1.24	1890--4.24
							1881--56.5 "	1891--56.0 "	1881--3.59	1891--1.92
							1882--51.4 "	1892--50.5 "	1882--5.05	

Monthly mean humidity, 67.9 per cent. Monthly mean dew point, 44.6. Number of cloudless days, 7. Number of partly cloudy days, 15. Number of rainy days, 9.

Dates of Frost, 4th, 6th, 7th.

Dates of Solar Halos, 2d, 4th, 13th, 15th, 23d, 27th, 28th.

Dates of Lunar Halos, none.

† Barometer readings reduced to sea-level and temperature of 32.

Elevation of thermometers above the ground, 113 feet.

Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.







VOL. V.

No. 1



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JUNE, 1891.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of June, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Mortality, years to total.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.....	10,312	11	12.7	4	36.3	---	---	2	---	---	---	---	1	---	---	---	---	---	2	---	---	1	---	---	---	5	2
Bridgport.....	48,866	102	23.8	48	47.0	2	---	---	2	1	4	1	1	---	---	---	27	1	7	5	3	12	6	4	26	3	
Bristol.....	7,382	6	9.7	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Danbury.....	19,473	32	16.7	10	31.2	---	---	---	---	---	---	---	1	2	---	---	3	1	4	2	1	4	1	1	11	---	
Derby.....	5,969	No Report.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Enfield.....	7,199	3	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Greenwich.....	10,131	12	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Groton.....	8,539	6	13.0	1	16.6	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Hartford.....	53,230	105	20.5	37	35.2	---	---	---	---	---	---	---	1	---	---	---	11	4	8	5	3	10	7	8	37	3	
Killingly.....	7,027	11	18.7	2	18.1	---	---	1	3	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Manchester.....	8,222	10	14.5	3	30.0	---	---	---	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middleton.....	25,423	23	10.0	6	26.0	---	---	1	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Middletown.....	15,205	26	14.9	4	15.4	---	---	---	1	2	1	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Naugatuck.....	6,218	7	13.5	---	---	---	---	2	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Britain.....	19,007	13	8.2	4	30.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Haven.....	86,045	139	17.1	46	33.0	---	---	1	5	3	2	---	1	---	---	---	12	3	14	8	2	23	13	10	41	---	
New London.....	13,757	15	13.0	3	20.0	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwalk.....	17,717	21	14.1	9	43.0	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Norwich.....	23,048	21	10.9	4	19.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Punnam.....	6,512	11	20.2	4	36.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Southington.....	5,501	8	17.4	---	12.5	---	---	---	2	5	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stamford.....	15,700	31	23.6	15	48.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Stonington.....	7,184	6	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thompson.....	5,580	4	8.6	2	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Torrington.....	6,048	3	5.9	1	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon.....	8,808	19	25.8	6	31.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford.....	6,884	5	9.1	1	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.....	33,202	50	18.0	22	44.4	---	---	4	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Winchester.....	6,183	7	13.5	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Windham.....	10,032	9	10.7	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Total of the 29 above towns.....	495,195	716	17.3	239	33.3	4	---	13	12	11	31	1	---	6	4	1	2	62	12	69	38	17	106	57	43	227	31
136 of less than 5,000 inhabitants.....	244,060	261	12.8	38	14.6	4	---	6	1	6	1	2	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 165 towns.....	736,194	977	15.8	277	28.4	8	---	19	13	17	37	2	2	8	5	1	3	68	16	95	51	20	135	88	59	330	39
Population of towns not reporting.....	7,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---										

The Mortality in Public Institutions of the State were: in Bridgeport, 5; in Hartford, 14; in Middletown, 7; and in New Haven, 16. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in June: Barkhamsted, Beacon Falls, Bethlehem, Bloomfield, Bozrah, Bridgegewater, Canaan, Canterbury, Chaplin, Easton, Eastford, East Haddam, East Haven, Franklin, Goshen, Harwinton, Litchfield, Mansfield, Morris, New Fairfield, Pomfret, Prospect, Sherman, South Windsor, Union, Warren, Wolcott, Woodstock—29.

The Registrars of the following towns have made no report for June: Bolton, Derby, Marlborough—Aggregate population, 7,000.

\* For the first time in the history of the "Bulletin" there is a failure to obtain reports from all the towns of over 5,000 population. The Secretary has appealed to the Registrar of Derby by letter, by telephone, and by telegraph, but has not succeeded in obtaining any report from him.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bloomfield, Bridgeport, Coventry, East Haddam, Griswold, Guilford, Haddam, Litchfield, Madison, Moosup, New Hartford, Newtown, Norwalk, Portland, Rocky Hill, Roxbury, Salem, Stafford, Stamford, Suffield, Wethersfield, Westport, Willington.

The mortality report for June has been received from 163 towns in Connecticut. There were 977 deaths reported in the State during the month. This was 194 less than in May; it was 69 more than in June, 1890, and 120 more than the average number of deaths in June for the five years preceding the present.

The number of deaths in the two quarters of this year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
Total for ½ year,	6473	6807	5793	6194	5553	5547

In the first half of this year the number of deaths was 336 less than in the first half of 1890, or 493 more than the average of the first half of the five years preceding.

The death-rate was 17.3 for the large towns; for the small towns 12.8, and 15.8 for the whole State.

The deaths from Zymotic diseases were 199, being 20.4 per cent. of the total mortality against 15.7 per cent. in May.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Ansonia, Griswold, Haddam, Hartford, Litchfield, Meriden, Naugatuck, New Hartford, New Haven, New London, Newtown, Norwalk, Norwich, Portland, Preston, Stafford, Stamford, Thomaston, Waterbury, Westport—19 deaths.

**Scarlet Fever**—Ansonia, Bloomfield, Bridgeport, Griswold, Hartford, Moosup, New Hartford, New Haven, Newtown, Norwalk, Portland, Stamford, Willington—13 deaths.

**Cerebro-Spinal Fever**—Branford, Bridgeport, Coventry, Middletown, New Haven, North Canaan, Portland, Redding, Stafford, Stamford, Winchester, Windsor Locks—17 deaths.

**Diphtheria and Croup**—Bridgeport, East Hartford, Granby, Griswold, Hartford, Manchester, Meriden, Middletown, New Britain, New Haven, Newtown, Norwalk, Portland, Southington, Stamford, Waterbury, Winchester—37 deaths.

**Typhoid Fever**—Ansonia, Branford, Bridgeport, Danbury, Hartford, New Haven, Norwalk, Somers—8 deaths.

**Diarrhoeal Diseases.** As was to be expected the mortality from Diarrhoeas is much increased with the increasing temperature of summer. The deaths in June numbered 84, while in May they were only 14.

The health of the State as a whole is considerably improved since the last month, as estimated by the number of deaths. The death-rate per 1000 of the population of the towns reporting being 15.8 as against 18.8 in May.

But there have been some changes in the causes of death, worthy of note. There has been a greater prevalence of Measles throughout the State, and a corresponding mortality. But Scarlet Fever, Diphtheria, Typhoid Fever and Cerebro-Spinal Fever have been less fatal. Scarlet Fever and Diphtheria are still illustrating their dependence upon special conditions by their continued presence in localities, notably in Bridgeport. The following is from the Health Officer's report:

"I find that the spread of Scarlet Fever in Bridgeport is attributable in a great measure to the fact that many people who have it in their families, in a light form, do not think it necessary to call in a physician. The children are permitted to play with other children. In this manner the disease is communicated. Again there are others who have cases in their families, under the care of a physician, who instructs them as to the proper care to be observed. They are also visited by the health authorities who furnish them with proper instructions. Notwithstanding all this, many are found who are so careless and indifferent about the spread of the disease, that the placarding of houses should be adopted, as I have recommended in my annual report."

In Portland our Sanitary Correspondent has traced the origin of the epidemic. He writes the first seven cases were the scholars of one school-room. On enquiry the following facts were found. One of the pupils had *sore throat* and an *irruption* and her parents consulted a Quack, temporarily resident and calling himself the "King of Doctors." He diagnosed "Disease of the Liver." As soon as the child was well enough and while the skin was peeling, she was returned to school. Within six days after 7 children were taken with Scarlet Fever, 2 of them sitting next to her. Another instance in Newtown is reported as "due to overhauling an old lounge on which a child died of Scarlet Fever. No attempts to disinfect the lounge were made."

Our correspondent from Stratford reports an outbreak of Diphtheria from attendance in Bridgeport upon a funeral of child which had died of that disease.

Such instances if they were collected would be found innumerable and justify the belief that the spread of infectious diseases is generally due to neglect and indifference to the known means of prevention, which in many instances can properly be called criminal carelessness.

## THE OUTING SEASON.

This is the special season when the residents of cities go to the country. They go because the hurry and push and drive of city life have exhausted their energies and they need the restorative influences of rest and change. They go also, and take their families, because dame fashion's imperious mandate is: "it is the proper thing to do." But for whatever purpose the ostensible reason is "for health."

Our sea coasts and our mountains are dotted everywhere with so-called "health resorts." Nevertheless it is a fact too little known that the appellation is often a misnomer. The fact is easily established that many such places are positively dangerous to health, from sheer neglect of the most essential requisites of health, namely, pure air and good water. The evidence of this is seen in the numerous instances of illness among persons who return and suffer from some acute infectious disease, so soon after their summer outing.

Let every prudent man seeking a place for his family, however temporarily, ask his host to let him see how the sewage is disposed of—to let him look at the condition of the grounds in the rear of the kitchen—to have some satisfactory evidence that the plumbing is trustworthy. Let him enquire about the water supply, and be assured that the well is not polluted by soakage from neighboring cesspools. These are merely suggestive of other enquiries, all of which are too often neglected.

C. A. LINDSLEY, M.D.,

Secretary of State] Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, July 15, 1891.



# METEOROLOGICAL REPORT FOR THE MONTH OF JUNE, 1891.

U. S. SIGNAL OFFICE, NEW HAVEN, CONN.

H. J. COX, OBSERVER. WEATHER BUREAU.

DATE.	BARO-METER†	TEMPERATURE.†				RELATIVE HUMIDITY.†			WIND.				PRECIPITATION. Inches and Snow.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		Daily Mean.	8 A. M.	8 P. M.	Range.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.					
									Direction.	Vel. per h.	Direction.	Vel.				
1	29.88	63.0	59.0	62.0	13.	83.0	69	97	S	2	S	8	129	Foggy	Partly Cldy	Partly Cldy
2	29.93	61.4	61.4	68.0	23.	80.5	94	89	S	2	S	7	116	Cloudless	Light Rain	Partly Cldy
3	29.96	65.1	61.1	70.0	22.	89.4	94	86	NW	2	NW	7	103	Cloudy	Cloudy	Partly Cldy
4	30.06	59.0	53.6	56.0	8.	91	92.0	93	NE	8	NE	6	197	Cloudy	Cloudy	Cloudy
5	30.20	57.1	58.0	56.0	7.	74	73.0	72	NE	8	NE	16	152	Cloudless	Partly Cldy	Cloudless
6	30.19	56.6	59.0	64.0	16.	81	67	74	NE	4	NE	4	128	Cloudy	Cloudy	Cloudy
7	30.12	54.1	58.0	56.0	11.	98	89	93.5	SW	6	SW	4	107	Cloudy	Partly Cldy	Cloudy
8	30.14	64.0	65.7	64.0	30.	67	54	60.5	N	5	N	8	143	Cloudless	Cloudless	Cloudless
9	30.13	71.0	65.2	68.0	26.	80	56	64.0	SW	4	SW	6	105	Cloudless	Cloudless	Cloudless
10	30.10	78.5	66.0	66.0	79.	54	41	47.5	SW	5	SW	8	205	Cloudless	Cloudless	Cloudless
11	30.04	73.8	73.8	73.0	59.	69.5	74.	69	SW	5	SW	7	197	Cloudless	Cloudless	Cloudless
12	30.07	73.8	73.8	73.0	22.	73	55	64.0	SW	5	SW	5	109	Partly Cldy	Partly Cldy	Partly Cldy
13	30.09	71.0	69.1	70.0	81.	63	67	65.5	N	6	N	6	148	Cloudless	Cloudless	Cloudless
14	30.07	72.1	70.0	72.0	23.	64	67	66.5	W	5	W	17	172	Cloudless	Cloudless	Cloudless
15	29.94	70.5	71.0	76.0	61.	70	62	64.0	SW	5	SW	5	154	Cloudless	Cloudless	Cloudless
16	29.84	80.0	81.0	80.0	93.	68	75	71	SW	2	SW	8	167	Cloudy	Cloudy	Partly Cldy
17	29.80	70.0	66.5	73.0	57.	59	28	73	NE	12	NE	10	163	Cloudless	Cloudy	Cloudy
18	29.80	54.0	53.0	54.0	5.	94	98	96.0	NE	3	NE	10	258	Light Rain	Cloudy	Cloudy
19	29.87	62.5	62.4	64.0	49.	93	93	89.0	NE	10	NE	4	169	Cloudy	Cloudy	Cloudy
20	29.87	62.3	63.2	62.0	69.	56	13.	85	NE	3	NE	7	102	Cloudy	Cloudy	Cloudy
21	29.91	64.5	62.4	64.0	69.	60.	9.	87	NE	3	S	7	121	Cloudy	Partly Cldy	Cloudy
22	29.74	66.3	71.3	70.0	16.	97	89	93.0	E	4	S	4	113	Cloudy	Cloudy	Cloudy
23	29.78	66.1	71.4	75.0	75.	62	22.	99	E	4	NW	6	174	Partly Cldy	Cloudless	Partly Cldy
24	29.90	67.2	69.2	70.0	75.	59	16.	55	NW	19	NW	8	278	Cloudless	Cloudless	Cloudless
25	29.90	68.7	70.0	70.0	85.	55	30.	57	NW	10	NW	5	170	Partly Cldy	Partly Cldy	Partly Cldy
26	29.86	69.4	70.0	74.0	82.	65.	17.	79	SW	6	N	11	115	Cloudless	Cloudless	Cloudless
27	29.97	66.0	64.5	62.0	70.	64.5	16.	67	N	15	N	12	322	Cloudless	Cloudless	Cloudless
28	29.75	66.4	67.0	64.0	74.	54.	20.	51	N	15	N	4	271	Cloudy	Cloudy	Partly Cldy
29	29.78	67.8	65.2	66.0	72.	59	13.	71	SW	4	SW	7	148	Cloudless	Cloudless	Partly Cldy
30	29.93	67.8	63.0	64.0	71.	58.	13.	64	E	8	SE	6	158	Partly Cldy	Cloudless	Partly Cldy
Month	29.946	65.8	66.3	66.1	75.7	50.6	19.1	75.5	N	6.4	SW	0.5	167.0	Total.		
Year														1.90		

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean).	COM. RAINFALL. (Inches and 100ths.)
		Prevailing direction, S. W.	Mean hourly velocity, 7.0.	Total number of days on which precipitation occurred, 11.	* Greatest 24 hour precipitation, 1.1.		
Monthly Mean, 29.946 inches.	Monthly Mean, 66.2 degrees.	Mean hourly velocity, 7.0.	Max. hourly velocity and direction, 20 miles N. Date, 28th.	Total monthly precipitation, 5.01 inches.		1873-.67.0 deg.	1873-.207 1883-.183
Highest, 30.221 in.; Date, 6th.	Highest, 93 deg.; Date, 16th.	Total monthly movement, 5.01 miles.		Total depth of snow fall (inches and 100ths), none.		1874-.67.4 "	1874-.341 1884-.526
Lowest, 29.729 in.; Date, 22d.	Lowest, 45 deg.; Date, 5th.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 1.23 in.		1875-.67.9 "	1875-.350 1885-.143
Monthly range, .495 in.	Greatest daily range, 30 deg.; Date, 25th.	Least daily range, 5 deg.; Date, 16th.		Mean daily range, 10.1 degrees.		1876-.74.1 "	1876-.180 1886-.264
	Least daily range, 5 deg.; Date, 16th.	Mean daily range, 10.1 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1877-.69.5 "	1877-.647 1887-.215
	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1878-.66.1 "	1878-.469 1888-.315
	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1879-.69.3 "	1879-.469 1889-.312
	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1880-.65.9 "	1880-.312 1890-.312
	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1881-.66.2 "	1881-.514 1891-.190
	Mean daily range, 10.1 degrees.	Total excess or deficiency since Jan. 1 = + 34.0 degrees.		Total excess or deficiency since Jan. 1 = + 34.0 degrees.		1882-.66.2 "	1882-.274

Monthly mean humidity, 75.0 per cent. Monthly mean dew point, 57.1. Number of cloudless days, 10. Number of cloudy days, 9.

Dates of Frost, none.

Dates of Solar Halos, 5th, 10th.

† Barometer readings reduced to sea-level and temperature of 32.

Elevation of thermometers above the ground, 113 feet.

Elevation of rain and snow gauges, 109 feet.

‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero.

\* Snow is melted and resulting amount of water recorded.

A "T" in rainfall column indicates precipitation too small to measure.

| Humidity relative, saturation being 100.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JULY, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of July, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipels.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,312	21	24.3	12	57.1	---	---	---	1	---	2	---	---	---	---	---	---	0	1	2	---	---	3	---	1	2	3
Bridgeport.....	48,866	97	22.1	51	52.5	---	---	1	5	1	5	3	---	1	---	---	---	53	3	5	1	2	11	3	3	20	7
Bristol.....	17,382	12	10.9	4	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury.....	10,473	45	27.7	15	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Derby.....	5,069	11	22.1	9	81.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	7,109	3	5.0	1	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	10,131	29	34.3	5	17.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,539	4	8.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,230	141	28.1	53	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly.....	7,027	7	11.9	4	57.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,222	7	10.2	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden.....	25,423	45	21.2	31	68.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	15,205	23	11.8	5	21.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugatuck.....	6,218	15	28.9	8	53.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,007	42	26.4	27	64.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	86,045	144	18.1	60	41.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	13,757	23	20.0	10	43.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.....	17,747	32	21.6	19	59.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,048	36	18.7	12	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.....	6,512	7	12.8	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,801	15	27.6	5	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,700	39	29.1	23	59.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,184	8	13.3	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,580	13	27.9	6	46.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	6,048	7	13.8	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,808	16	21.7	6	37.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,584	8	14.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	33,202	117	42.2	87	74.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windsor.....	6,163	10	19.4	3	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,032	23	27.5	10	43.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	501,164	1000	25.9	471	47.1	---	---	10	13	9	21	13	---	6	6	1	1	277	42	83	22	20	93	54	47	282	40
136 of less than 5,000 inhabitants.....	241,776	299	14.8	81	27.1	---	---	2	3	6	2	2	---	3	4	---	---	42	8	30	9	4	36	42	16	90	6
Total reported from 166 towns.....	742,940	1299	20.9	552	42.5	---	---	12	16	15	23	15	---	9	10	1	1	319	50	113	31	24	129	96	63	372	46
Population of towns not reporting.....	3,318	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 7; in Hartford, 16; in Middletown, 8; and in New Haven, 14. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in July: Andover, Ashford, Beacon Falls, Bethlehem, Bozrah, Bridgewater, Chaplin, Chatham, Clinton, East Haven, Franklin, Goshen, Haddam, Harwinton, Hebron, Kent, Killingworth, Ledyard, Lyme, Middlebury, Newtown, Norfolk, North Branford, North Canaan, North Stonington, Prospect, Roxbury, Sherman, Sterling, Tolland, Union, Voluntown, Warren, Willington, Windsor Locks, Woodbridge, Woodbury—38.

The Registrars of the following towns have made no report for July: Cornwall, Essex—2.

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 18 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Bridgeport, Brooklyn, Coventry, Greenwich, Griswold, Haddam, Hartford, New Hartford, Newtown, Norwalk, Orange, Rocky Hill, Salem, Stamford, Wethersfield, Westport, Windham.

The mortality report for July has been received from 166 towns in Connecticut. There were 1299 deaths reported in the State during the month. This was 322 more than in June; it was only 1 less than in July, 1890, and 13 less than the average number of deaths in July for the five years preceding the present.

The number of deaths in the first seven months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1049	1093

In the first seven months of this year the number of deaths was 335 less than in the first seven months of 1890, and 482 more than the average of the same months of the five years preceding.

The annual death-rate of the large towns was 25.9 for July as against 17.3 for June. This excess of mortality is to be attributed to the great loss of infants during the season of high temperature from Diarrhoeal diseases. The reported percentage of deaths under 5 is 47.1, although several town registrars neglect to state the number of deaths under 5. The highest death-rate in July was in Waterbury, 42.2. And the percentage of infants was 74.3. This far exceeds any other large town, and it behooves the health officials of that ambitious city to make some sanitary investigations. The average death-rate of the 30 large towns was 25.9. The large towns having a death-rate above this were only 9, viz: Danbury, Greenwich, Hartford, Naugatuck, Southington, Stamford, Thompson, Waterbury and Windham.

The two cities having the highest death-rate were Waterbury, 42.2 and Hartford, 28.1. The two cities having the smallest death-rate were Middletown, 11.8 and New Haven, 18.1. The average annual death-rate for the large towns was 25.9 while that of the small towns was only 14.8. This is a much wider difference than usual. As the excessive death-rate is not general in the large towns, it is reasonable to attribute it to some especially unwholesome conditions existing in a few. The attention of the local health authorities is respectfully directed to the foregoing table of death-rates, that in those places in which it is excessive, official action may be taken to discover and remove the cause.

The entire reported mortality from the State is 1299, or 42 deaths daily. In June there were 32 daily. In July, 1890, the daily mortality was the same as last month.

It will be observed that the general health of the State is much more varied than usual. In a very marked degree the excessive mortality is found in special places, and in many other places a lower death-rate is equally notable. This is particularly true of Diarrhoeal diseases, of which there are reported 315 deaths from 21 towns and only 54 from the 145 towns remaining.

In this connection let Health Boards keep in mind how intimately diarrhoeal diseases are associated with filth conditions.

The deaths from Zymotic diseases were 471, being 36.2 per cent. of the total mortality against 20.4 per cent. in June.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Brooklyn, Griswold, Naugatuck, New Haven, Newtown, Norwalk, Orange, Stamford, Thomaston, Westport, Waterbury—12 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Greenwich, Griswold, Hartford, New Haven, Norwalk, Portland, Stamford, Thomaston, Westport—16 deaths.

**Cerebro-Spinal Fever**—Bridgeport, Derby, East Lyme, East Windsor, Hartford, Norwalk, Ridgefield, Thomaston, Thompson, Wallingford, Woodstock—15 deaths.

**Diphtheria and Croup**—Ansonia, Bridgeport, Brookfield, Coventry, Derby, Greenwich, Griswold, Hartford, Meriden, Middletown, New Britain, New Haven, Newtown, Orange, Stamford, Saybrook, Stamford, Waterbury, Windham—23 deaths.

**Typhoid Fever**—Bridgeport, Coventry, Danbury, Guilford, Hartford, Middlebury, New London, Norwalk, Orange, Redding—10 deaths.

Our sanitary correspondent at Brooklyn reports 100 cases of Whooping Cough in that town.

There is however no epidemic of a fatal character prevailing other than diarrhoea.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics,

NEW HAVEN, August 15, 1891.

### MEDICAL PRACTICE IN CONNECTICUT.

The following reply was sent to a doctor inquiring of a State official if he will be allowed to practice in Connecticut by registering his name and the college from which he was graduated:

"SIR: Anybody can practice medicine in Connecticut. You do not need to register; you do not need a medical diploma; you do not need to know the difference between opium and peppermint; you do not, indeed, need to know anything. You can simply come and live here and begin to practice. The laws of Connecticut will sustain you in collecting your fees for professional services, if you render any which you choose to call such. But if you undertake to carry me or my trunk to the depot for pay, you must get a license. If you peddle matches or peanuts you must get a license. If you collect the swill from your neighbors, to feed your pigs, you must get a license. If you want to empty your cesspool, you must get a license. But you can practice medicine in Connecticut *without a license*."—*Hartford Post*, Aug. 8, 1891.



# METEOROLOGICAL REPORT FOR THE MONTH OF JULY, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

DATE.	TEMPERATURE.			RELATIVE HUMIDITY.			WIND.				Max. Velocity.	Precipitation.	CHARACTER OF WEATHER.			CHARACTER OF THE DAY.	
	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.								
							Direction.	Vel. in m. per h.	Direction.	Vel.							
1	30.07	66.8	60.8	61.9	86	85	81.0	E	4	E	7	150	.06	Cloudless	Cloudy	Partly Cl'dy	
2	30.05	66.2	60.2	60.3	80	93	89.5	E	2	E	7	93	0	Cloudless	Partly Cl'dy	Partly Cl'dy	
3	29.90	64.7	64.2	62.7	82	91	87.5	SW	10	SW	6	153	.15	Partly Cl'dy	Cloudy	Cloudy	
4	29.76	65.6	69.0	68.7	80	87	69.5	SW	5	NW	20	238	.25	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy	
5	29.77	65.8	68.1	66.7	85	63	74.0	SW	10	W	10	200	19	Cloudless	Partly Cl'dy	Cloudless	
6	29.82	64.8	69.7	67.7	82	55	58.5	NW	15	W	7	280	.28	Cloudless	Light Rain	Cloudless	
7	29.88	66.4	67.4	66.7	84	61	77.5	W	5	NW	8	161	.14	Cloudy	Cloudy	Cloudy	
8	29.85	69.1	64.0	64.6	83	76	79.5	NW	10	NW	11	153	.19	Cloudless	Cloudless	Partly Cl'dy	
9	30.00	63.0	69.2	66.4	74	71	72.5	N	12	N	2	220	.20	Cloudless	Cloudless	Cloudless	
10	30.24	68.8	69.0	68.2	58	68	63.0	N	5	S	4	116	12	Cloudless	Partly Cl'dy	Cloudless	
11	30.26	67.0	68.8	64.7	52	79	74.5	N	2	S	4	116	12	Cloudless	Cloudless	Cloudless	
12	30.14	59.5	68.8	68.2	53	92	89.0	N	8	SE	3	161	14	Cloudless	Cloudless	Cloudless	
13	30.14	59.5	71.6	73.3	86	60	79.5	SW	3	SW	8	201	21	Cloudless	Cloudless	Cloudless	
14	30.03	75.0	71.6	76.3	83	68	87.5	SW	11	S	12	236	.20	Cloudy	Cloudy	Cloudy	
15	29.90	70.4	71.3	72.7	77	10	93.0	SW	5	S	8	225	.20	Partly Cl'dy	Partly Cl'dy	Partly Cl'dy	
16	29.97	72.9	73.2	76.3	88	15	98.5	W	5	NW	5	132	15	Cloudless	Cloudless	Cloudless	
17	30.08	72.0	72.0	70.8	81	58	66.0	N	4	SE	17	213	17	Cloudless	Cloudy	Cloudy	
18	29.94	66.0	70.0	62.7	80	91	94.5	W	10	SW	8	231	.21	Cloudless	Cloudless	Cloudless	
19	29.93	74.8	72.0	75.1	69	82	79.0	W	10	S	5	112	10	Cloudless	Cloudless	Cloudless	
20	30.14	69.5	70.4	70.7	61	94	76.5	N	5	N	12	125	12	Cloudless	Partly Cl'dy	Cloudless	
21	30.24	72.0	74.2	76.3	66	66	66.5	N	12	S	12	164	15	Cloudless	Partly Cl'dy	Partly Cl'dy	
22	30.35	69.9	68.9	68.7	60	76	73.0	NE	3	S	14	202	18	Cloudless	Partly Cl'dy	Partly Cl'dy	
23	30.29	69.0	67.1	67.7	76	58	77.5	SE	11	SW	4	238	18	Heavy Rain	Partly Cl'dy	Partly Cl'dy	
24	29.98	69.8	72.2	70.7	64	92	95.5	SW	10	NW	3	138	16	Cloudless	Partly Cl'dy	Partly Cl'dy	
25	29.90	72.4	71.4	72.3	81	64	64.5	SW	7	SW	17	170	.02	Cloudless	Partly Cl'dy	Cloudless	
26	29.90	66.2	67.1	67.1	72	81	62.5	NW	7	W	3	150	14	Cloudless	Cloudless	Cloudless	
27	29.96	62.0	65.5	64.7	54	20	70.0	NW	10	W	3	107	13	Partly Cl'dy	Cloudy	Cloudy	
28	30.04	65.8	68.5	64.7	49	25	68.5	W	2	E	8	140	15	Cloudy	Light Rain	Cloudy	
29	30.03	65.8	69.5	68.7	74	30	70.0	NW	4	S	41	169	17	Cloudy	Cloudy	Cloudy	
30	30.53	65.1	66.4	67.7	61	8	91.0	NE	9	SE	7	222	19	Cloudless	Cloudless	Cloudless	
31	29.87	60.9	64.0	64.7	57	61	67.5	N	14	NW	3			Cloudless	Cloudless	Cloudless	
Month	30.011	67.2	68.2	67.7	76.3	75.5	76.0	N & SW	7.3	S	6.1	172.7	16.4	Total	4.52		

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
	Monthly Mean.	Daily Range.	Prevailing direction.	Max. hourly velocity.	Total number of days on which precipitation occurred.	Direction.	1873-72.3 deg.	1883-71.1 deg.	1873-72.3 deg.	1883-71.1 deg.
Monthly Mean.	30.011 inches.	67.6 degrees.	Prevailing direction, S.	Max. hourly velocity, 7.2.	16.	Direction.	1874-72.2 "	1884-67.8 "	1874-72.2 "	1884-67.8 "
Highest.	30.368 in.; Date, 22d.	Lowest, 29.87 deg.; Date, 28th.	Max. hourly velocity and direction, 23 miles W. Date, 6th.	Total monthly movement, 5.355 miles.			1875-72.5 "	1885-72.1 "	1875-72.5 "	1885-72.1 "
Lowest.	29.730 in.; Date, 30th.	Greatest daily range, 29 degrees.					1876-72.0 "	1886-70.5 "	1876-72.0 "	1886-70.5 "
Monthly range.	.638 in.	Date, 12th.					1877-71.4 "	1887-70.1 "	1877-71.4 "	1887-70.1 "
		Least daily range, 6 deg.; Date, 2d.					1878-72.1 "	1888-68.3 "	1878-72.1 "	1888-68.3 "
		Mean daily range, 17.2 degrees.					1879-72.2 "	1889-70.0 "	1879-72.2 "	1889-70.0 "
		Total excess or deficiency since Jan. 1 = + 229 degrees.					1880-73.5 "	1890-69.7 "	1880-73.5 "	1890-69.7 "
							1881-70.7 "	1891-67.6 "	1881-70.7 "	1891-67.6 "
							1882-71.6 "	1892-67.0 "	1882-71.6 "	1892-67.0 "

Monthly mean humidity, 76.9 per cent. Monthly mean dew point, 59.9. Number of cloudless days, 10. Number of partly cloudy days, 9. Number of rainy days, 12.

NOTES.—Observations taken on the 75th Meridian time. Dates of Solar Eclipses, none. Dates of Lunar Eclipses, none. Elevation of thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 109 feet. A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "I" in rainfall column indicates precipitation too small to measure. | Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF AUGUST, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of August, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total Mortality.	La Grippe.		Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.		
Ansonia.....	10,342	21	24.3	10	47.6						2				2				7	2		2	2	1	1	2	2		
Bridgeport.....	48,866	75	17.4	33	44.0						1	2	2			1		1	16	3	6	1	6	9	3	24	8		
Bristol.....	7,382	14	22.7	8	57.1										1				6	1			1	1	1	1	4		
Danbury.....	19,473	33	20.3	13	59.3						1				2				3	5			7	1	3	7	2		
Derry.....	5,909	9	18.0	4	44.4														3				3		2	1			
Enfield.....	7,199	11	18.3	4	36.3														2	3	4	1	1	2	3	4			
Greenwich.....	10,131	22	26.0	2	9.0																								
Hartford.....	5,539	9	19.4		---																								
Hatfield.....	53,230	95	19.1	35	36.8						1	5		1	4				17	5	11	4	10	5	2	25	9		
Killingly.....	7,027	15	25.0	4	26.0														4	3	2		1	1	1	2			
Manchester.....	8,222	11	16.6	30	66.5														14	1	4	1	1	8	2	13	3		
Merriden.....	25,423	43	26.2	11	32.5						2				3				9	2		1	9	1	4	9	2		
Middletown.....	15,248	43	28.0	5	38.5														5	2	5	2	8	3	1	3	1		
Naugatuck.....	16,067	28	23.9	13	31.2						2	1	4		5	3			25	14	3	1	10	5	9	47	12		
New Britain.....	86,045	120	17.5	55	39.2														13	2	2	1	3	2	2	17	1		
New Haven.....	13,737	39	26.1	11	46.6														8	2			1	6	1	12	1		
New London.....	17,717	43	29.0	20	46.5														4	1									
Norwalk.....	23,018	32	16.6	18	56.2														1	3	2	1	1	6	1	12	1		
Norwich.....	6,512	11	20.2	7	63.6														4	1									
Putnam.....	5,501	8	17.4	4	50.0														1	3	1		2		1	5			
Southington.....	15,700	32	24.4	8	24.3										1	1			3		3		3	1	1	2	4		
Stamford.....	7,184	10	16.7	2	20.0										1				2	3				1	2	4			
Stonington.....	5,580	10	21.5	8	80.0														8	1									
Thompson.....	6,018	16	31.7	6	37.5														10	1	1			5	1	10			
Torrington.....	8,868	17	23.1	9	53.0										1				6	1					3	2			
Vernon.....	6,584	18	32.8	6	33.3						2				2				17	3	1	2	7	4	1	10	6		
Wallingford.....	33,202	50	18.0	31	62.0																								
Waterbury.....	6,183	5	9.7	2	40.0																								
Winchester.....	6,183	5	9.7	2	40.0																								
Windham.....	10,032	20	23.9	8	40.0														4		4	1		5	2	3			
Total of the 30 above towns.....	501,164	896	21.4	377	42.0					6	9	16	5	1	28	7		5	214	33	87	18	13	110	52	39	253	55	
137 of less than 5,000 inhabitants.....	243,358	352	17.3	117	33.2	1					7	9			1	14	1	2	4	78	16	29	4	3	36	20	19	108	9
Total reported from 167 towns.....	744,522	1248	20.1	494	38.4	1					6	16	25	5	2	42	8	2	9	292	49	116	22	16	146	72	58	361	64
Population of towns not reporting.....	1,736																												

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 10; in Middletown, 10; and in New Haven, 14. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in August: Andover, Beacon Falls, Bridgewater, Chaplin, Colebrook, East Granby, Franklin, Goshen, Hartland, Lyme, Marlborough, Middlebury, Newington, North Canaan, Salem, Scotland, Sprague, Warren, Washington, Willington, Woodbridge, Woodstock—22.

The Registrar of So. Windsor has made no report for August.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 22 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Avon, Bridgeport, Brooklyn, Bloomfield, East Haddam, Falls Village, Greenwich, Griswold, Guilford, Hartford, New Hartford, New Haven, Newtown, Norwalk, Orange, Rocky Hill, Salem, Suffield, Thomaston, Westport, Wethersfield, Willimantic.

The mortality report for August has been received from 167 towns in Connecticut. There were 1248 deaths reported in the State during the month. This was 51 less than in July; it was 32 less than in August, 1890, and 30 less than the average number of deaths in August for the five years preceding the present.

The number of deaths in the first eight months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1649	1093
August,	1248	1280	1190	1433	1278	1208

The death rate was 21.4 for the large towns; for the small towns 17.5, and 20.1 for the whole State.

The deaths from Zymotic diseases were 456, being 36.5 per cent. of the total mortality against 36.2 per cent. in July.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Haddam—no deaths.

**Scarlet Fever**—Bridgeport, Griswold, Hartford, Meriden, New Britain, New Haven, Norwalk, Orange, Thomaston, Westport—6 deaths.

**Cerebro-Spinal Fever**—Ansonia, Bridgeport, Cheshire, Griswold, Guilford, Hartford, Huntington, Middletown, New Haven, Newtown, North Haven, Waterbury—16 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Canaan, Danbury, East Hartford, Hartford, Huntington, New Britain, New Haven, Norwalk, Simsbury, Waterbury, Westport—25 deaths.

**Typhoid Fever**—Ansonia, Bloomfield, Bozrah, Branford, Bristol, Danbury, East Lyme, Hartford, Huntington, Killingworth, Ledyard, Middletown, New Britain, New Haven, Norwalk, Old Saybrook, Preston, Redding, Ridgefield, Salem, Salisbury, Stamford, Southington, Union, Vernon, Wallingford, Waterbury, Windham—42 deaths.

The total mortality in the State would indicate some improvement in the general health, the number of deaths being 51 less than in July.

The following diseases were less fatal than in July: Measles, Scarlet Fever, Erysipelas, Malarial Fevers, Diarrhoeal diseases, Pneumonia and Bronchitis. While there was an increase of deaths from Diphtheria and particularly from Typhoid Fever, of which there were 42 deaths against only 9 in July.

The reports from our correspondents in various parts of the State indicate a generally greater prevalence of Typhoid. From Danbury it is

reported that 9 cases occurred among some persons who had been temporary residents at Money Island, one of the group of Thimble Islands, in Long Island Sound, off Branford.

A little outbreak of *Impetigo Contagiosa*, a skin disease, usually of temporary duration, is reported as happening among the patrons of one of the most popular barber shops in the State. The victims are at this writing mostly convalescent.

## SUMMARY OF VITAL STATISTICS FOR 1890.

The following is a general summary of the Births, Marriages, and Deaths in Connecticut in the year 1890:

SEX.		BIRTHS.		PARENTAGE.	
Males,	8,877	American,	7,596		
Females,	8,409	Foreign,	9,298		
Not stated,	108	Not stated,	500		
		17,394	17,394		
Whole number of Births,				17,394	
Birth rate per 1,000,				23.3	

NOTE.—If either parent is of foreign birth the child is counted as of foreign parentage.

SEX.		MARRIAGES.		NATIVITY.	
Both parties American,	3,451				
" " Foreign,	1,719				
Husband American, wife foreign,	505				
" foreign, " American,	601				
Not stated,	8				
Whole number of Marriages,				6,284	
Husband non-resident of town where married,				537	
Both non-resident,				187	

SEX.		DEATHS.		NATIVITY.	
Males,	7,016	American,	10,307		
Females,	6,642	Foreign,	3,145		
Not stated,	7	Not stated,	213		
		13,665	13,665		
Whole number of Deaths,				13,665	
Death rate per 1,000 of population,				18.3	

There was one birth	to every 42.8 of the population.
" " marriage	118.7 " "
" " person married	59.3 " "
" " death	54.6 " "

The total number of births registered in Connecticut during the year 1890 was 17,394; of deaths 13,665; so that the natural increase of population or excess of birth over deaths was 3,729, being 918 less than in the previous year.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, September 15, 1891.

# METEOROLOGICAL REPORT FOR THE MONTH OF AUGUST, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN.

H. J. COX, OBSERVER.

DATE.	BARO-METER. <sup>†</sup>	TEMPERATURE. <sup>‡</sup>					RELATIVE HUMIDITY. <sup>‡</sup>			WIND.				PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		8 A. M.	8 P. M.	Daily Mean.	Minimum.	Range.	8 A. M.	8 P. M.	Daily Mean.	8 P. M.		Max. Velocity.	Am't in Inches and Snow.	S. A. M.	N. E.			
										Direction.	Vel. per h.					Direction.	Vel.	
1	29.80	66.	68.	62.	76.	27.	70.	72.	71.0	W	5	SW	8	201	24	0	Partly Cl'dy	Partly Cl'dy
2	29.74	68.	70.	64.	78.	15.	68.	72.	81.5	N E	5	N W	4	107	13	0	Cloudy	Cloudless
3	29.82	66.	69.	67.	77.	57.	68.	75.	71.5	N E	13	S	8	156	15	0	Cloudy	Cloudy
4	30.06	65.	68.	69.	77.	61.	79.	83.	86.5	N E	8	N E	4	173	20	.02	Cloudy	Cloudy
5	30.14	66.	69.	75.	77.	59.	74.	79.	76.5	N E	10	S E	3	145	13	0	Partly Cl'dy	Cloudy
6	30.13	66.	67.	68.	75.	61.	77.	79.	79.0	N E	6	S E	3	145	10	0	Cloudy	Cloudless
7	30.05	69.	72.	68.	80.	25.	77.	86.	81.5	S	2	SW	6	140	15	0	Cloudless	Cloudy
8	29.95	76.	77.	76.	86.	66.	66.	63.	64.5	N	6	N	3	123	13	T	Partly Cl'dy	Partly Cl'dy
9	29.96	68.	71.	78.	76.	60.	76.	89.	82.5	N E	5	E	2	95	9	T	Cloudy	Cloudless
10	29.96	78.	81.	78.	90.	66.	80.	69.	80.5	SE	1	S W	4	77	12	T	Cloudless	Partly Cl'dy
11	29.96	78.	79.	80.	89.	21.	77.	85.	79.0	0	0	S W	8	134	20	0	Cloudless	Cloudy
12	29.87	77.	74.	80.	87.	18.	77.	87.	81.5	SW	8	SW	4	146	15	.38	Partly Cl'dy	Cloudless
13	30.05	71.	75.	72.	83.	62.	65.	57.	61.0	SE	10	S	5	137	12	0	Cloudless	Cloudy
14	29.95	72.	72.	72.	80.	16.	81.	68.	81.5	SE	4	E	6	210	28	.19	Light Rain	Cloudy
15	29.95	67.	71.	72.	77.	60.	74.	83.	90.5	N E	5	S	6	166	14	.37	Cloudy	Cloudless
16	30.05	68.	70.	69.	80.	18.	76.	89.	83.0	N E	5	S	6	166	14	0	Cloudless	Cloudless
17	30.07	68.	70.	70.	80.	25.	76.	89.	80.5	SW	8	SW	5	125	15	.06	Cloudless	Cloudy
18	29.92	70.	76.	70.	77.	61.	82.	82.	81.0	SW	8	W	6	167	18	0	Cloudless	Cloudless
19	29.96	69.	70.	70.	77.	61.	80.	82.	81.0	SW	8	W	6	167	18	0	Cloudless	Cloudless
20	30.01	70.	71.	68.	77.	48.	80.	77.	78.5	SW	1	S	13	303	23	T	Partly Cl'dy	Cloudy
21	29.78	74.	75.	74.	79.	68.	81.	86.	86.0	S	15	S	13	372	18	0	Cloudy	Cloudy
22	29.83	75.	77.	77.	84.	70.	84.	86.	84.5	SW	3	S	5	167	21	.41	Partly Cl'dy	Cloudless
23	29.90	69.	74.	72.	81.	63.	81.	91.	84.5	N E	4	S E	8	142	12	0	Cloudy	Cloudy
24	29.94	74.	76.	75.	83.	67.	84.	90.5	81.5	S	3	S	6	154	23	.79	Cloudy	Partly Cl'dy
25	30.14	76.	73.	77.	77.	62.	80.	83.	81.5	W	7	SW	3	156	14	0	Cloudy	Cloudy
26	30.21	68.	71.	70.	78.	62.	82.	94.	88.5	N E	10	E	5	140	12	.01	Partly Cl'dy	Cloudy
27	30.03	69.	75.	74.	80.	67.	100.	91.	95.5	N E	4	S	7	142	13	.05	Light Rain	Cloudy
28	29.85	74.	72.	74.	78.	60.	95.	65.	80.0	N E	4	W	3	154	12	.24	Cloudy	Cloudy
29	30.08	61.	64.	63.	71.	55.	68.	72.	65.0	N W	7	W	2	144	16	0	Partly Cl'dy	Partly Cl'dy
30	30.14	57.	60.	58.	61.	56.	65.	90.	95.0	N E	12	N E	8	220	16	.02	Light Rain	Cloudy
31	30.17	62.	62.	62.	68.	56.	68.	81.	81.5	N E	12	N E	8	223	17	T	Cloudy	Light Rain
Month's Mean.	29.99	69.3	71.4	70.7	78.9	62.4	81.0	80.3	80.6	N E	6.5	S	5.7	159.2	16.6	Total, 3.14		

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
Monthly Mean, 29.988 inches. Highest, 30.218 in.; Date, 26th. Lowest, 29.696 in.; Date, 2d. Monthly range, 552 in.	Monthly Mean, 70.6 degrees. Highest, 90 deg.; Date, 11th. Lowest, 49 deg.; Date, 1st. Absolute range, 41 degrees. Greatest daily range, 27 deg.; Date, 1st. Least daily range, 5 deg.; Date, 30th. Mean daily range, 16.5 degrees. Total excess or deficiency since Jan. 1 = + 29.8 degrees.	Prevailing direction, N. E. Mean hourly velocity, 6.6. Max. hourly velocity and direc- tion, 40 miles W. Date, 12th. Total monthly movement, 4,934 miles.	Total number of days on which precipitation occurred, 11. *Greatest 24 hour precipitation, 1875-71.9 1876-72.4 1877-73.9 1878-72.0 1879-69.6 1880-70.1 1881-71.2 1882-69.7 Total number of days on which precipitation occurred, 11. *Greatest 24 hour precipitation, 1875-71.9 1876-72.4 1877-73.9 1878-72.0 1879-69.6 1880-70.1 1881-71.2 1882-69.7 Total monthly precipitation (in. and tenths), 29; Date, 1875-71.9 1876-72.4 1877-73.9 1878-72.0 1879-69.6 1880-70.1 1881-71.2 1882-69.7 Total monthly movement, 4,934 miles. Total depth of snow fall (inches and tenths), none. Date of Total excess or deficiency of pre- cipitation since Jan. 1 = -4.49 in.	1873--69.0 deg. 1874--71.9 1875--69.1 1876--72.4 1877--73.9 1878--72.0 1879--69.6 1880--70.1 1881--71.2 1882--69.7 1883--67.3 deg. 1884--69.1 1885--67.8 1886--68.2 1887--67.8 1888--69.2 1889--68.5 1890--69.1 1891--70.6 1892--69.7	1873--9.90 1874--5.60 1875--5.56 1876--4.56 1877--5.69 1878--4.86 1879--4.93 1880--8.14 1881--2.51 1882--0.26 1883--1.26 1884--5.60 1885--8.13 1886--4.56 1887--5.69 1888--4.86 1889--4.93 1890--2.67 1891--3.14 1892--0.26

Monthly mean humidity, 80.6 per cent. Monthly mean dew point, 63.8. Number of cloudless days, 5. Number of partly cloudy days, 15. Number of cloudy days, 11.

NOTES.—Observations taken on the 75th Meridian time. † Dates of Solar Halos, none. ‡ Dates of Lunar Halos, 17th. †† Dates of thermometers above the ground, 113 feet. ††† Elevation of rain and snow gauges, 109 feet. †††† A minus sign (—) prefixed to figures under this heading indicates temperature below zero. ††††† Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. †††††† Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF SEPTEMBER, 1891.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of September, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia,.....	10,342	13	15.0	5	38.4	.....	.....	.....	1	1	.....	.....	.....	2	1	.....	1	2	1	1	.....	.....	.....	.....	.....	2	3
Bridgeport,.....	48,866	66	15.2	25	37.8	.....	.....	1	.....	.....	2	1	.....	.....	.....	.....	9	2	4	6	.....	6	7	.....	1	19	7
Bristol,.....	7,382	10	16.2	1	10.0	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	2	2	.....	.....	.....	.....	.....	.....	3	1
Danbury,.....	19,473	36	18.4	9	30.0	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	5	7	7	.....	1	3	3	.....	4	5	2
Derby,.....	5,969	5	10.0	3	60.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enfield,.....	7,109	8	13.3	3	37.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....
Greenwich,.....	10,131	19	22.5	2	11.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	4	.....	.....	.....	.....	.....
Groton,.....	5,539	9	19.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hartford,.....	53,230	80	14.6	25	31.2	.....	.....	.....	1	.....	9	.....	.....	3	.....	.....	4	.....	8	.....	2	10	2	.....	.....	5	1
Killingly,.....	7,027	18	30.0	10	55.5	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	7	1	.....	.....	.....	.....	.....	.....	.....	.....
Manchester,.....	8,222	13	18.9	4	30.7	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meriden,.....	25,423	43	20.2	16	37.2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Middletown,.....	15,205	39	17.3	7	23.3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Naugatuck,.....	6,218	11	21.2	5	45.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Britain,.....	19,007	20	12.6	10	50.0	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Haven,.....	86,045	115	13.2	37	32.1	.....	.....	.....	1	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New London,.....	13,757	26	22.6	9	34.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Norwich,.....	17,747	22	14.8	9	40.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Norwalk,.....	23,048	35	17.1	13	37.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Putnam,.....	6,512	9	16.5	3	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southampton,.....	5,501	5	10.9	1	20.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stamford,.....	15,700	35	26.7	14	40.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stonington,.....	7,184	20	33.4	6	30.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thompson,.....	5,580	12	25.8	7	58.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Torrington,.....	6,048	6	11.9	3	50.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vernon,.....	8,808	11	14.9	4	36.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wallingford,.....	6,584	10	18.2	6	60.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Waterbury,.....	33,202	63	22.7	31	49.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winchester,.....	6,183	10	19.4	1	10.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Windham,.....	10,032	9	10.0	2	22.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of the 30 above towns,.....	501,164	763	18.2	271	35.7	.....	.....	1	3	6	22	5	.....	27	6	.....	3	103	33	80	20	12	78	47	42	269	55
138 of less than 5,000 inhabitants,.....	245,094	342	16.6	95	28.0	.....	.....	.....	4	7	8	---	1	14	1	.....	.....	16	22	22	10	5	33	25	22	106	10
Total reported from all the towns,.....	746,258	1105	17.7	366	33.1	.....	.....	1	7	13	30	5	1	41	7	.....	3	109	49	102	30	17	111	72	64	375	95
Population of towns not reporting,.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 15; in Middletown, 8; and in New Haven, 20. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in September: Andover, Ashford, Avon, Beacon Falls, Bethlehem, Bloomfield, Bolton, Bridgewater, Chaplin, Eastford, Granby, Guilford, Harwinton, Killingworth, Ledyard, Lisbon, Lyme, Marlborough, Middlebury, North Haven, North Stonington, Oxford, Roxbury, Scotland, Sherman, Union, Wethersfield, Wolcott—29.

The Registrars of every town have made report for September.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 22 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bloomfield, Bridgeport, Brooklyn, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, Hartford, New Hartford, Norwalk, Rocky Hill, Ridgefield, Salem, Stafford, Stamford, Thomaston, Watertown, Westport, Wethersfield—22.

The mortality report for September has been received from every town in the State. There were 1105 deaths reported in the State during the month. This was 143 less than in August; it was 99 more than in September, 1890, and 94 more than the average number of deaths in September for the five years preceding the present.

The number of deaths in the first nine months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1649	1093
August,	1248	1280	1190	1433	1278	1208
September,	1105	1006	1040	1032	1004	974
3d quarter,	3652	3586	3559	3653	3931	3275
Total for 9 mos.,	10125	10393	9352	9847	9484	8822

In the first nine months of the year the number of deaths was 10,125, being 268 less than in the corresponding months of last year, and 545 more than the average in the same months for the last five years.

The death-rate was 18.2 for the large towns; for the small towns 16.6, and 17.7 for the whole State.

The deaths from Zymotic diseases were 334, being 30.2 per cent. of the total mortality against 36.5 per cent. in August.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Haddam, Norwalk, Westport—1 death.

**Scarlet Fever**—Ansonia, Bridgeport, Greenwich, Hartford, Naugatuck, New Haven, Stafford, Stamford, Thomaston, Warren, Westport—7 deaths.

**Cerebro-Spinal Fever**—Ansonia, Bridgeport, Essex, Hartford, Killingly, Litchfield, Newtown, North Canaan, Preston, Ridgefield, Stonington, Trumbull—13 deaths.

**Diphtheria and Croup**—Bloomfield, Branford, Bridgeport, Columbia, Cornwall, Glastonbury, Griswold, Hartford, Killingly, Meriden, Middletown, New Britain, Norwalk, Norwich, Simsbury, Stafford, Stamford, Waterbury, Watertown, Westport—30 deaths.

**Typhoid Fever**—Ansonia, Bozrah, Branford, Bridgeport, Bristol, Brooklyn, Coventry, Danbury, East Windsor, Greenwich, Griswold, Haddam, Hartford, Manchester, Meriden, Middletown, New Britain, New Haven, Norwalk, Norwich, Plainfield, Pomfret, Salem, Stafford, Stamford, Stonington, Voluntown, Waterbury, Watertown, Wethersfield, Westport, Windsor, Woodbury—41 deaths.

The health of the State has improved as to most diseases. The distribution of fatal disorders have been more equalized than in the previous two months. There have been no serious local epidemics, and the general death-rate was lower.

Typhoid Fever is still prevalent in many parts of the State. There are reports of its presence in more than 30 towns. There are probably still other cases not reported, in towns where notification of infectious diseases is not required. The deaths resulting from Typhoid were 41 against 42 in August. The most notable instance of a center of infection was at Money Island.

In the early part of September I was notified by Dr. Scott, of Danbury, that there were in that city 8 or 9 cases of that fever, and that all the victims had been temporary sojourners at the Hotel on Money Island. I immediately obtained from the Comptroller permission to incur the expense of an investigation, and Prof. H. E. Smith of the Medical School was requested to enquire into the origin of the outbreak.

His report is not yet ready, as he is still pursuing his enquiries. I can however, say, that the infection has been far more widespread than was at first supposed.

He has traced 18 cases among the residents of the Hotel who were there for some time between August 6th and 18th. These instances were found in New Haven, Hartford, Danbury, of Conn., and Brooklyn, N. Y., and Orange, N. J.

If the words of caution to the guests of summer resorts, published in the Bulletin of June, had been heeded, this widespread infection of Typhoid would not have occurred.

## TO THE REGISTRARS.

The Secretary begs the attention of the town Registrar to one or two points in regard to their monthly reports of mortality.

In the first place, he would urge more punctuality in the returns. Every month the Bulletin is unnecessarily delayed two to five days because of the tardy returns from a few towns. Every month there are from a dozen to a score of Registrars who forget, and have to be reminded by mail—and even then some of them do not promptly respond. Every month, after making the computations for the statistical table, the figures have to be altered and recalculated because one or more negligent Registrars send in their statements late. Possibly the penalty to which they are liable for such neglect might have a wholesome influence. The above criticism applies to only a small number. A very large majority of the Registrars make their returns promptly.

Another matter it is believed is often neglected, that is the report of the number of deaths under 5 years of age. The Secretary is quite confident that this matter is frequently overlooked. He requests that on all the returns, the fact be stated, if there are no deaths under 5, by marking a cipher (0) in the proper place, to show that the point has received attention.

This office has issued a circular entitled "A Help to Registrars in making Monthly Reports of Mortality to the State Board of Health."

It is designed to aid in the classification of the causes of death as they are arranged on the postal card to be sent to this office. It is evident that some of the Registrars do not consult it, or they would succeed better than they do in that regard.

Any Registrar not having a copy of this "Help" will be promptly supplied on application.

It greatly enhances the value of the monthly statement of mortality to have it accurate.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, October 15, 1891.

# METEOROLOGICAL REPORT FOR THE MONTH OF SEPTEMBER, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMID'Y.				WIND.				CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Baro- meter.†	Daily Mean.		Range.	8 A. M.	3 P. M.	Daily Mean.	8 A. M.		3 P. M.		Daily Move- ment.	Max. Velocity.	8 A. M.		3 P. M.
		8 A. M.	3 P. M.					Daily Mean.	Direction.	Vel. m. per h.	Direction.					
1	30.14	61.	65.	64.	70.	57.	13.	87.	92.	89.5	N E	12	S E	Cloudy	Cloudy	
2	30.12	65.	69.	68.	77.	59.	18.	82.	77.	79.5	N E	6	S	Cloudless	Cloudless	
3	30.11	70.	73.	68.	76.	60.	16.	93.	86.	80.5	S W	3	S	Cloudless	Cloudless	
4	30.14	70.	71.	70.	79.	60.	19.	85.	84.	84.5	S	3	S E	Light Rain	Cloudless	
5	30.16	63.	65.	64.	68.	61.	7.	90.	91.	94.5	N E	10	N E	Cloudy	Cloudy	
6	30.02	58.	68.	62.	69.	58.	13.	100	100	100.	N E	8	S E	2.11	Light Rain	
7	29.85	65.	66.	65.	72.	58.	14.	89.	69.	83.5	N W	3	N W	1.05	Cloudless	
8	30.06	61.	59.	62.	70.	54.	16.	74.	77.	75.5	N W	6	N	1.05	Cloudless	
9	30.25	58.	60.	57.	69.	45.	24.	70.	68.	69.0	N	4	N W	1.05	Cloudless	
10	30.36	59.	64.	61.	74.	48.	26.	72.	72.	72.0	N	5	S W	1.05	Cloudless	
11	30.34	62.	64.	62.	75.	50.	25.	70.	83.	76.5	N W	4	S W	1.05	Cloudless	
12	30.19	64.	68.	64.	74.	55.	19.	86.	81.	83.5	N W	1	S	1.05	Cloudless	
13	29.94	68.	68.	67.	76.	58.	18.	85.	82.	83.5	S W	6	S W	1.05	Cloudless	
14	29.88	65.	61.	64.	72.	57.	15.	70.	65.	67.5	N W	12	N W	1.05	Cloudless	
15	30.01	57.	64.	62.	72.	53.	19.	75.	79.	77.0	N	5	N	1.05	Cloudless	
16	30.14	62.	64.	72.	57.	15.	89.	76.	82.5	80.0	N	13	N	1.05	Cloudless	
17	30.30	61.	67.	63.	75.	51.	24.	75.	85.	80.0	S W	5	W	1.05	Cloudless	
18	30.68	66.	70.	66.	78.	60.	44.	94.	88.	84.5	S E	10	S	1.05	Cloudless	
19	30.68	61.	65.	62.	74.	54.	23.	77.	79.	80.5	N E	7	S	1.05	Cloudless	
20	30.18	61.	65.	62.	80.	61.	23.	77.	79.	80.5	N E	10	S	1.05	Cloudless	
21	30.18	63.	68.	69.	77.	61.	16.	82.	85.	86.5	S W	3	S	1.05	Cloudless	
22	30.06	71.	71.	74.	83.	64.	13.	83.	80.	87.0	N W	7	S W	1.05	Cloudless	
23	30.22	67.	67.	67.	78.	63.	15.	85.	89.	89.0	E	6	S W	1.05	Cloudless	
24	30.12	68.	71.	70.	73.	63.	15.	77.	79.	80.0	S W	7	S W	1.05	Cloudless	
25	30.12	68.	71.	70.	74.	63.	15.	77.	79.	80.0	S W	7	S	1.05	Cloudless	
26	30.26	66.	66.	66.	71.	61.	10.	81.	94.	87.5	N E	5	E	1.05	Cloudless	
27	30.26	70.	70.	71.	78.	64.	14.	91.	91.	91.0	S	3	S	1.05	Cloudless	
28	30.08	71.	70.	73.	79.	67.	12.	90.	93.	91.5	S	12	S W	1.05	Cloudless	
29	30.31	56.	58.	60.	67.	53.	14.	54.	37.	45.5	N	12	N	1.05	Cloudless	
30	30.31	56.	58.	60.	67.	53.	14.	54.	37.	45.5	N	12	N	1.05	Cloudless	
Month	30.13	64.7	66.8	66.4	75.1	57.5	17.3	82.1	81.2	81.6	N	6.4	S & S W	6.0	150.4	
Total															14.1	

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and tenths.)	
	Monthly Mean.	Daily Mean.	Prevailing direction.	Max. hourly velocity.	Total number of days on which precipitation occurred.	*Greatest 24 hour precipitation (in. and tenths).	1873.	1883.	1873.	1883.
Monthly Mean, 30.134 inches.	66.4	66.4	Prevaling direction, S. W.	Mean hourly velocity, 6.2.	6.	1873.	1873.	1873.	1873.	1873.
Highest, 30.378 in.; Date, 11th.	75.1	75.1	Max. hourly velocity, 6.2.	Max. hourly velocity and direction, 22 miles S. W. Date, 29th.	6.	1874.	1874.	1874.	1874.	1874.
Lowest, 29.837 in.; Date, 14th.	57.5	57.5	Absolute range, 43 degrees.	Total monthly movement, 4,512 miles.	6.	1875.	1875.	1875.	1875.	1875.
Monthly range, .541 in.	67.7	67.7	Greatest daily range, 26 deg.		7.	1876.	1876.	1876.	1876.	1876.
	67.7	67.7	Date, 10th.		7.	1877.	1877.	1877.	1877.	1877.
	67.7	67.7	Least daily range, 7 deg.		7.	1878.	1878.	1878.	1878.	1878.
	67.7	67.7	Date, 5th.		7.	1879.	1879.	1879.	1879.	1879.
	67.7	67.7	Mean daily range, 17.3 degrees.		7.	1880.	1880.	1880.	1880.	1880.
	67.7	67.7	Total excess or deficiency since Jan. 1 = + 416 degrees.		7.	1881.	1881.	1881.	1881.	1881.

Monthly mean humidity, 81.6 per cent. Monthly mean dew point, 59.6. Number of cloudless days, 12. Number of partly cloudy days, 14. Number of cloudy days, 4. Dates of Frost, none. Dates of Solar Halos, 11th, 17th. Dates of Lunar Halos, none. Notes.—Observations taken on the 75th Meridian time. Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 69 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. ‡ Snow is melted and resulting amount of water recorded. § A "1" in rainfall column indicates precipitation too small to measure. || Humidity relative, saturation being 100.





# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF OCTOBER, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of October, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Fuereptal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.	
Ansonia.....	10,342	16	18.5	6	37.5	—	—	—	—	2	—	—	—	4	1	—	—	1	—	1	—	—	2	2	1	1	2	1
Bridgeport.....	48,866	68	15.9	30	44.1	—	—	2	4	—	—	3	1	—	—	1	—	5	2	2	—	—	1	4	4	20	5	5
Bristol.....	7,382	10	16.2	4	40.0	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	5	4	3	3	3
Danbury.....	19,473	31	19.1	12	38.7	—	—	—	—	—	—	—	—	2	—	—	—	1	—	—	—	2	4	4	4	6	3	3
Derby.....	5,969	13	26.1	4	30.7	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Enfield.....	7,199	8	13.3	2	25.0	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greenwich.....	10,131	11	13.0	2	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Groton.....	5,539	6	13.0	1	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hartford.....	53,230	94	18.9	32	34.0	—	—	—	3	1	19	—	—	5	1	—	—	5	—	13	8	1	3	5	4	20	5	5
Hartford.....	53,230	94	18.9	32	34.0	—	—	—	3	1	19	—	—	5	1	—	—	5	—	13	8	1	3	5	4	20	5	5
Killingly.....	7,027	9	15.3	3	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manchester.....	8,222	13	18.9	4	30.7	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Merriden.....	25,423	42	19.8	15	35.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Middletown.....	15,205	30	13.4	5	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nauguck.....	6,218	8	15.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Britain.....	19,007	22	15.3	8	36.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Haven.....	86,645	127	15.7	41	36.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New London.....	13,757	31	26.0	11	36.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norwalk.....	17,748	25	16.0	10	40.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norwich.....	23,048	36	18.7	13	36.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Punam.....	8,512	4	7.3	2	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Southington.....	5,801	4	8.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stamford.....	15,700	43	32.8	21	48.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stonington.....	7,184	11	18.3	6	54.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Thompson.....	5,580	7	15.0	2	28.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Torrington.....	6,048	3	5.9	1	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vernon.....	8,808	9	12.2	2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wallingford.....	6,584	3	5.4	1	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Waterbury.....	33,202	53	19.1	18	34.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Windsor.....	6,183	10	10.4	1	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Windham.....	10,032	12	14.3	4	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total of the 30 above towns.....	501,164	759	18.1	258	33.8	—	—	2	8	6	64	8	1	27	4	7	2	60	12	100	44	17	74	67	29	227	56	56
136 of less than 5,000 inhabitants.....	243,421	345	17.0	63	18.2	—	—	—	1	4	13	2	2	10	3	—	1	17	5	32	11	2	55	36	19	132	4	4
Total reported from 166 towns.....	744,585	1104	17.6	321	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Population of towns not reporting.....	1,673	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Population of towns not reporting.....	746,258	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

The Mortality in Public Institutions of the State were: in Bridgeport, 3; in Hartford, 10; in Middletown, 13; and in New Haven, 14. These are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in October: Avon, Beacon Falls, Bethlehem, Bozrah, Canterbury, Cheshire, Colebrook, Columbia, Eastford, East Granby, East Haven, Granby, Hampton, Hartland, Lyme, Marlborough, Monroe, Salem, Trumbull, Warren, Wethersfield, Wolcott, Woodbridge—23.

The Registrars of the following towns have made no report for October: Morris, Southbury—2.

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 21 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Avon, Bridgeport, Brooklyn, Coventry, Greenwich, Griswold, Guilford, Haddam, Hartford, New Hartford, Newtown, Norwalk, Ridgefield, Rocky Hill, Salem, Stamford, Suffield, Wethersfield, Westport, Windham—21.

The mortality report for October has been received from 166 towns in the State. There were 1104 deaths reported in the State during the month. This was 1 less than in September; it was 110 more than in October, 1890, and 146 more than the average number of deaths in October for the five years preceding the present.

The number of deaths in the first ten months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	973	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1649	1093
August,	1248	1280	1190	1433	1278	1208
September,	1105	1006	1040	1032	1004	974
3d quarter,	3652	3586	3559	3653	3931	3275
Total for 9 mos.,	10125	10393	9352	9847	9484	8822
October,	1104	994	1027	959	839	969

In the first ten months of the year the number of deaths was 11,129, being 158 less than in the corresponding months of last year, and 582 more than the average in the same months for the last five years.

The death-rate was 18.1 for the large towns; for the small towns 17.0, and 17.6 for the whole State.

The deaths from Zymotic diseases were 259, being 23.4 per cent. of the total mortality against 30.2 per cent. in September.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Haddam,—2 deaths.

**Scarlet Fever**—Ansonia, Branford, Bridgeport, Greenwich, Griswold, Hartford, Meriden, Norwalk—9 deaths.

**Cerebro-Spinal Fever**—Ansonia, Bristol, Hartford, New Haven, North Haven, Norwalk, Seymour, Somers, Waterbury, Windsor Locks—10 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Bloomfield, Darien, East Hartford, Hartford, Killingly, Meriden, Middletown, Naugatuck, New Britain, New Haven, Norwalk, Norwich, Portland, Seymour, Sherman, Simsbury, Stamford, Torrington, Waterbury, Westport, Windham—77 deaths.

**Typhoid Fever**—Ansonia, Bridgeport, Brooklyn, Chatham, Coventry, Danbury, Darien, East Hartford, East Lyme, Enfield, Goshen, Greenwich, Griswold, Guilford, Haddam, Hartford, Manchester, Meriden, New Hartford, New Haven, New London, Newtown, Norwalk, Old Saybrook, Stamford, Vernon, Waterbury, Watertown, Windham—37 deaths.

## DIPHTHERIA.

During the present year up to the 1st of November, Diphtheria has been one of the most prominent and fatal diseases in Connecticut. The mortality from it has been just double that from Typhoid Fever, and only three diseases, to wit, Consumption, Pneumonia, and Infantile Diarrhoea are more fatal. The feeble efforts which are made to control it have not been conspicuously successful. The failure is due to the want of an intelligent and efficient application of known means of preventing and restricting the disease.

The recent assembly of International Congress of Hygiene and Demography in London, Eng., gave a great deal of attention to Diphtheria. Many able papers and instructive discussions were heard.

One fact was considered established, which should be a matter of common information, to wit, some of the domestic animals are subject to the disease, as for instance cows, whose milk in consequence may be infected, common fowls, and particularly cats. The last being so frequently the familiar pets of children are far too often a source of the contagion. In many instances children and cats have infected each the other. Within a year only has it been satisfactorily determined that the specific germ causing Diphtheria has been identified. It is called the Klebs Loeffler bacillus.

Of all the papers read on the subject at the Congress, one of the most practical was one by Dr. S. W. Abbott, of Boston, whose conclusions were summed up in the following propositions:

1. That Diphtheria is an eminently contagious disease.
2. That it is infectious not only by exposure of the sick to well, but also through indirect media, such as clothing and other articles that have come in contact with the sick.
3. That the certainty of infection is not so great as in the case of some other infectious diseases, notably small pox and scarlet fever.
4. That overcrowding, faulty ventilation, and filthy conditions of tenements favor its spread.
5. That the influence of defective plumbing is not proven.
6. That its transmission through public and private water supplies is not proven.
7. That its propagation is favored by soil moisture, damp cellars, and general dampness of houses.
8. That the poison may remain inactive in houses for a long period."

From all that is yet known of this disease, it still remains true that isolation and disinfection are the surest means of controlling it.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, November 16, 1891.



METEOROLOGICAL REPORT FOR THE MONTH OF OCTOBER, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN.

DATE.	TEMPERATURE.				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.		CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
	DAILY MEAN.	F.			DAILY MEAN.	P. M.			8 A. M.		8 P. M.		AMOUNT OF MELT IN SNOW.	DAILY MEASUREMENT.	MAX. VELOCITY.	DIRECTION.		A. M.	P. M.
		8 A. M.	3 P. M.	DAILY MEAN.		8 A. M.	3 P. M.	DAILY MEAN.	DIRECTION.	VELOCITY.	DIRECTION.	VELOCITY.							
1	30.47	51.	55.	53.	66.	43.	23.	70	87	78.5	N	E	12	3	173	17	Cloudless	Cloudless	Cloudless
2	30.32	58.	62.	60.	70.	42.	23.	75	90	82.5	0	0	0	4	102	14	Cloudless	Cloudless	Cloudless
3	30.06	59.	70.	64.	79.	52.	27.	80	89	89.5	NW	SW	3	2	103	12	Cloudless	Cloudless	Cloudless
4	29.78	67.	66.	66.	82.	57.	25.	83	89	86.0	NW	SE	1	10	79	8	Cloudless	Cloudless	Partly Cloudy
5	29.76	65.	66.	66.	83.	59.	24.	86	60	73.0	N	N	12	10	239	24	Cloudless	Cloudless	Cloudy
6	30.14	51.	55.	53.	63.	47.	16.	62	60	61.0	N	N	11	5	195	16	Cloudless	Cloudless	Cloudy
7	30.08	48.	51.	50.	58.	43.	13.	78	98	88.0	N	E	12	10	250	20	Cloudless	Light Rain	Partly Cloudy
8	29.76	55.	55.	55.	66.	50.	16.	95	75	85.0	N	N	7	7	209	16	Cloudless	Cloudless	Cloudy
9	30.04	50.	49.	50.	60.	46.	14.	73	87	80.0	N	SW	5	3	129	12	Cloudless	Cloudless	Cloudy
10	30.27	57.	53.	50.	61.	42.	19.	81	80	80.5	N	SW	7	20	129	11	Cloudless	Cloudless	Cloudy
11	30.24	52.	46.	49.	60.	42.	18.	79	60	69.5	N	E	6	24	201	26	Cloudless	Cloudless	Cloudy
12	30.52	36.	43.	40.	48.	33.	15.	62	69	65.5	N	E	18	13	415	25	Light Rain	Cloudless	Cloudy
13	30.14	42.	44.	43.	45.	36.	9.	89	83	86.0	N	E	17	18	486	30	Cloudless	Cloudless	Cloudy
14	29.89	57.	55.	56.	62.	52.	10.	89	91	90.0	NW	SW	13	10	239	14	Cloudless	Partly Cloudy	Cloudy
15	29.84	47.	48.	48.	59.	40.	20.	76	68	72.0	NW	SW	3	7	188	21	Cloudless	Cloudless	Cloudless
16	30.14	47.	48.	48.	60.	40.	20.	77	85	84.0	NW	SE	4	7	121	19	Cloudless	Cloudless	Cloudless
17	30.35	45.	48.	46.	59.	37.	22.	77	88	89.5	N	E	5	5	144	12	Cloudless	Cloudless	Partly Cloudy
18	30.04	47.	52.	50.	62.	43.	13.	84	84	84.0	N	E	11	6	193	15	Cloudless	Cloudless	Partly Cloudy
19	29.87	49.	50.	48.	59.	43.	16.	91	88	85.5	N	E	12	12	289	24	Cloudless	Cloudless	Partly Cloudy
20	29.85	51.	49.	50.	60.	40.	16.	92	78	88.0	N	SW	12	12	289	24	Cloudless	Cloudless	Cloudy
21	29.79	49.	52.	50.	60.	43.	17.	84	68	76.0	N	SW	4	24	240	23	Cloudless	Light Rain	Cloudy
22	29.84	47.	41.	44.	48.	38.	10.	81	86	89.5	N	N	22	12	216	15	Cloudless	Light Rain	Partly Cloudy
23	29.70	39.	42.	40.	44.	30.	14.	71	52	61.5	N	NW	4	0	395	28	Cloudless	Cloudless	Cloudless
24	29.81	44.	42.	43.	53.	36.	17.	64	57	60.5	NW	W	4	0	209	24	Cloudless	Cloudless	Cloudless
25	30.01	38.	43.	40.	55.	32.	23.	61	58	59.5	NW	W	2	0	103	11	Cloudless	Light Rain	Cloudless
26	29.78	50.	56.	53.	58.	35.	21.	78	87	82.5	NW	W	8	18	100	13	Cloudless	Light Rain	Cloudless
27	29.81	46.	39.	42.	53.	37.	16.	81	69	75.0	N	NW	10	5	324	27	Cloudless	Cloudless	Partly Cloudy
28	30.24	37.	34.	36.	42.	27.	15.	69	78	73.5	N	N	18	5	285	23	Cloudless	Cloudless	Cloudless
29	30.45	33.	47.	40.	51.	26.	25.	72	77	74.5	W	SW	1	4	136	15	Cloudless	Cloudless	Cloudless
30	30.28	48.	52.	44.	40.	24.	24.	77	61	69.0	SW	SW	7	4	172	18	Cloudless	Cloudless	Cloudless
31	30.01	51.	58.	55.	66.	46.	20.	79	86	82.5	SW	S	8	10	191	16	Cloudless	Cloudless	Partly Cloudy
Month's	30.05	48.5	51.0	49.8	59.9	41.6	18.3	78.4	77.0	77.7	N	SW	8.0	7.6	208.4	18.2	Total, 4.02		

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths).
Monthly Mean, 30.050 degrees.	Monthly Mean, 50.8 degrees.	Prevailing direction, N.	Total number of days on which precipitation occurred, 8.	1873-22.7 deg.	1873-71.18
Highest, 83 deg.; Date, 5th.	Highest, 83 deg.; Date, 5th.	Mean hourly velocity, 8.7.	*Greatest 24 hour precipitation, 1.874-32.8	1883-49.0 deg.	1883-2.41
Lowest, 26 deg.; Date, 23th.	Lowest, 26 deg.; Date, 23th.	Max. hourly velocity and direction, 10.4 miles N.E. Date, 13th.	1875-23.6	1884-53.6	1875-1.86
Absolute range, 57 degrees.	Absolute range, 57 degrees.	Total monthly movement, 6.459 miles.	1876-24.6	1885-53.6	1876-3.35
Greatest daily range, 28 deg.; Date, 1st.	Greatest daily range, 28 deg.; Date, 1st.	Total monthly movement, 6.459 miles.	1877-25.0	1886-52.8	1876-1.07
Least daily range, 9 deg.; Date, 23th.	Least daily range, 9 deg.; Date, 23th.	Total depth of snow fall (inches and tenths), T.	1878-27.0	1887-51.1	1877-10.00
Mean daily range, 18.3 degrees.	Mean daily range, 18.3 degrees.	Total depth of snow fall (inches and tenths), T.	1879-30.0	1888-46.4	1878-2.23
Total excess or deficiency since Jan. 1 = + 3.06 in.	Total excess or deficiency since Jan. 1 = + 3.06 in.	Thun. Stms, 27th.	1880-52.0	1889-48.8	1879-1.41
		Total excess or deficiency of precipitation since Jan. 1 = - 3.06 in.	1881-55.0	1890-51.3	1880-4.07
			1882-55.3	1891-50.8	1881-2.78
					1882-3.54

Monthly mean humidity, 77.7 per cent.

Dates of Frost, 12th

NOTES.—Observations taken on the 75th Meridian time.

† A minus sign indicates a fall in the water level.

recorded. A "T" in rainfall column indicates precipitation recorded.

1000

[illegible]



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF NOVEMBER, 1891.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of November, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malaria Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,342	10	11.6	2	20.0	---	---	---	---	1	6	---	---	2	---	---	---	---	---	2	1	1	1	---	---	2	2
Bridgeport.....	48,866	88	10.6	26	29.5	---	---	3	2	---	---	---	---	3	1	---	---	---	2	2	7	6	13	7	4	32	8
Bristol.....	7,382	6	9.7	1	16.6	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1
Danbury.....	10,173	21	12.9	3	14.3	---	---	---	---	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	3	0	2
Derby.....	5,960	5	10.0	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2
Enfield.....	7,199	12	20.0	2	17.5	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	3	2	1	---	---	4	---
Greenwich.....	10,131	11	13.0	1	9.0	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,530	12	26.0	1	8.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,230	101	20.7	23	22.7	---	---	1	13	13	---	---	---	7	1	---	---	2	2	15	19	1	7	6	4	23	3
Killingly.....	7,027	7	11.9	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,222	5	7.2	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
Meriden.....	25,423	38	17.9	4	10.5	---	---	---	---	---	---	---	---	2	1	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	15,205	33	17.3	7	21.2	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
Naugauck.....	6,218	9	17.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,007	28	17.6	7	25.0	---	---	---	---	2	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven.....	86,045	117	15.7	29	24.7	---	---	---	---	---	---	---	---	3	1	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	13,757	21	18.3	3	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk.....	17,747	21	14.2	6	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,048	46	23.9	6	12.4	---	---	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam.....	6,512	9	16.5	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,501	8	17.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,700	38	20.0	17	44.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,184	14	23.3	4	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,580	8	17.0	2	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	6,048	6	11.9	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,808	10	13.6	1	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,584	9	16.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windsor.....	33,202	46	16.6	15	32.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windsor.....	6,183	5	9.7	1	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,032	16	19.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	501,164	760	18.1	164	21.5	---	---	3	3	9	67	1	1	38	4	2	2	16	7	103	78	22	83	57	32	232	54
The 138 towns of less than 5,000 inhabitants.....	245,094	332	16.2	40	12.0	---	---	---	4	4	13	---	---	18	4	2	1	4	3	36	30	12	33	36	18	114	6
Total reported from whole state.....	746,258	1092	17.5	174	15.9	---	---	3	7	13	80	1	1	56	8	4	3	20	10	139	108	34	116	93	50	346	60

The Mortality in Public Institutions of the State were: in Bridgeport, 8; in Hartford, 9; in Middletown, 11; and in New Haven, 10. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in November: Beacon Falls, Bethany, Bridgewater, Burlington, Columbia, East Granby, Franklin, Goshen, Hampton, Hartland, Harwinton, Kent, Lyme, Monroec, Morris, No. Branford, Plainville, Southbury, Sprague, Voluntown, Warren, Washington, West Hartford, Wolcott, Woodbridge.—25.

The Registrars of all the towns have made their reports for November:



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 21 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Brooklyn, Colchester, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, New Hartford, Norwalk, Orange, Ridgefield, Rocky Hill, Salem, South Windsor, Sprague, Stamford, Suffield, Westport, Windham—21.

The mortality report for November has been received from every town in the State. There were 1092 deaths reported in the State during the month. This was 12 less than in October; it was 158 more than in November, 1890, and 206 more than the average number of deaths in November for the five years preceding the present.

The number of deaths in the first eleven months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1649	1093
August,	1248	1280	1190	1433	1278	1208
September,	1105	1006	1040	1032	1004	974
3d quarter,	3652	3586	3559	3653	3931	3275
Total for 9 mos.,	10125	10393	9352	9847	9484	8822
October,	1104	994	1027	959	839	969
November, 1092	934	896	850	870	879	

In the first eleven months of the year the number of deaths was 12,221, being 100 less than in the corresponding months of last year, and 820 more than the average in the same months for the last five years.

The death-rate was 18.1 for the large towns; for the small towns 16.2, and 17.5 for the whole State.

The deaths from Zymotic diseases were 206, being 78.8 per cent. of the total mortality against 23.4 per cent. in October.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Griswold, Norwalk—3 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Colchester, Griswold, Hartford, Orange, Sprague, Thomaston—7 deaths.

**Cerebro-Spinal Fever**—Ansonia, Branford, Derby, Hartford, New Britain, New Hartford, New Haven, North Canaan, Norwalk, Plymouth, Stonington—13 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Brooklyn, Darien, East Hartford, Enfield, Glastonbury, Greenwich, Griswold, Hartford, Killingly, Meriden, Middletown, New Britain, New Haven, Norwalk, Norwich, Redding, Seymour, South Windsor, Stamford, Waterbury, Windham—80 deaths.

**Typhoid Fever**—Ansonia, Barkhamsted, Bethel, Bloomfield, Bozrah, Bridgeport, Brooklyn, Cromwell, Coventry, Danbury, East Hartford, East Lyme, Ellington, Griswold, Groton, Haddam, Hartford, Manchester,

Meriden, Middletown, Naugatuck, New Britain, New Haven, New London, North Canaan, Norwalk, Norwich, Orange, Saybrook, Southington, Stafford, Stamford, Thomaston, Thompson, Torrington, Vernon, Wallingford, Waterbury, Westport, Windsor Locks—56 deaths.

Although the total of deaths is a little less than in October, it cannot justly be said that the state of the public health is better. The mortality from Diphtheria is somewhat more. That from Typhoid Fever is considerably more. The deaths from pulmonary diseases have markedly increased. The usual diminution of diarrhoeal diseases in November, has but little more than counterbalanced the increased mortality from the diseases above named. Typhoid Fever as in previous Autumns has extended still more widely through the State than in the last month.

Diphtheria is reported from more towns than before. The highest death rate from it is in Stamford. It has been prevalent in that town for about three months. During October and November there were registered 24 deaths from it.

The State Board has not been informed of what has been done by the local authorities to restrict it. Complaint however has been received from a reputable source that there is a want of active effort on the part of the local board to control it. So large a mortality implies a good many cases of sickness, and its continuance for so many weeks is evidence that whatever has been attempted to arrest the disease has not been very successful. An epidemic of so serious a nature in a small town, ought to receive the personal attention of the Health Officers or Health Committees, to the extent of being assured that the isolation of patients is effectively practiced, and that thorough and complete disinfection of all infected persons and things is really accomplished. It is in such local epidemics, the spread of which is only possible by direct or indirect infection, that the good service of health boards can be demonstrated to popular observation. Imperfect and unskillful attempts to arrest such an outbreak, do as much harm as good, in that they give a false sense of security, and bring their office into disrepute. Half way work is of no use at all. If disinfection is not complete, the outbreak will be renewed. As well leave a fire only partly extinguished—the conflagration will start again while there is anything to be consumed. It is not enough to tell a family to burn some sulphur, and soak their “washing” in a disinfectant preparation. In cases like these the health officials should not only direct what is to be done, but they should *know* that it is done, and *know it* beyond a peradventure.

This office is informed of smaller outbreaks of Diphtheria in other towns, with the assurance also that the precautions taken have limited the disease in most cases to the families in which the outbreaks occurred. In Colchester, it is reported that there were 13 cases of Scarlet Fever with two deaths. The cases are under the surveillance of the Health Board.

Pneumonia has increased in mortality in much larger proportion than any other disease.

The frequent reports of sporadic cases of Influenza indicate the possibility of a renewal of that epidemic. The cases reported, however, are generally described as of milder type.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics

NEW HAVEN, December 15, 1891.

# METEOROLOGICAL REPORT FOR THE MONTH OF NOVEMBER, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

DATE.	Baro- meter†	TEMPERATURE.†				RELATIVE HUMIDITY.			WIND.				Precipitation. Inches and Snow	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	8 A. M.	8 P. M.	8 A. M.		8 P. M.		Max. Velocity.		8 A. M.	8 P. M.	
								Direction.	Vel. per h.	Direction.	Vel.					
1	29.95	50.	46.	48.	57.5	58	57	W	12	350	13	27	Cloudy	Cloudless	Cloudy	
2	30.27	34.	37.	36.	58.5	58	58	NW	12	204	6	19	Cloudless	Cloudless	Cloudless	
3	30.35	31.	31.	31.	62.0	58	66	NW	7	163	6	14	Cloudless	Cloudless	Cloudless	
4	30.26	28.	32.	30.	64.	66	73	NE	8	153	15	13	Cloudy	Cloudless	Cloudy	
5	30.68	33.	39.	36.	73.	75	74.0	NE	10	279	15	18	Cloudless	Cloudless	Cloudless	
6	30.11	36.	39.	38.	68.0	70	66	N	12	327	7	24	Cloudless	Cloudless	Cloudless	
7	30.04	39.	46.	42.	74.0	44	44	NE	19	304	3	24	Cloudy	Cloudless	Cloudy	
8	30.08	41.	44.	42.	82	66	82	SE	3	118	1	12	Cloudy	Cloudless	Cloudy	
9	30.25	49.	49.	49.	83	83	83.0	SE	8	126	14	17	Sprinkling	Sprinkling	Cloudy	
10	30.19	50.	54.	52.	100	100	100	S	4	204	14	22	Cloudy	Cloudless	Cloudy	
11	29.92	58.	53.	56.	60	96	96	W	17	239	5	19	Cloudless	Cloudless	Cloudless	
12	30.01	42.	42.	47.	62	93	76	NW	13	134	13	22	Cloudless	Cloudless	Cloudless	
13	30.29	43.	43.	43.	63.0	65	63.0	NW	9	157	7	10	Cloudless	Cloudless	Cloudless	
14	30.44	38.	42.	40.	52	78	64	NW	4	129	7	12	Partly Cloudy	Cloudy	Partly Cloudy	
15	30.65	35.	41.	38.	40	74	56	NE	5	136	4	12	Cloudy	Cloudy	Cloudy	
16	30.36	47.	55.	51.	56	84	95	SE	8	268	15	20	Cloudy	Cloudless	Cloudless	
17	29.87	58.	42.	50.	61	63	68	S	21	468	13	34	Cloudless	Cloudless	Cloudless	
18	30.41	27.	28.	28.	50	70	51	NW	17	330	6	14	Cloudless	Cloudless	Cloudless	
19	30.76	24.	35.	30.	40	76	63	SE	6	131	3	14	Cloudless	Cloudless	Cloudless	
20	30.59	34.	40.	37.	49	91	86	S	3	138	3	11	Partly Cloudy	Cloudy	Partly Cloudy	
21	30.46	33.	48.	40.	28	96	92	SE	4	146	10	13	Cloudy	Cloudy	Cloudy	
22	30.19	51.	51.	51.	56	94	94	SE	5	368	30	36	Cloudy	Cloudy	Cloudy	
23	29.56	53.	57.	55.	58	97	89	S	9	361	18	32	Light Rain	Light Rain	Cloudy	
24	29.68	44.	45.	44.	65.0	67	66	W	13	235	7	26	Cloudless	Cloudless	Cloudy	
25	30.00	32.	44.	40.	66	73	100	SW	7	174	16	16	Partly Cloudy	Cloudy	Partly Cloudy	
26	29.96	32.	35.	34.	86.5	93	66	NE	7	273	10	23	Cloudless	Cloudless	Cloudless	
27	29.71	40.	45.	42.	79.5	100	77	SW	5	352	7	24	Light Snow	Cloudy	Cloudy	
28	29.85	48.	33.	40.	54	81	73	N	13	374	10	24	Cloudy	Cloudless	Cloudy	
29	30.28	19.	20.	20.	22	48	62	N	7	248	6	21	Cloudless	Cloudless	Cloudless	
30	30.28	13.	20.	16.	55.0	59	71	NW	7							
Month's Average	30.16	38.8	41.5	40.2	75.3	72.7	74.0	N	8.8	233.7	9.0	20.4	Total, 2.21			

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
		Prevailing direction, N.	Mean hourly velocity, 9.7 Max. hourly velocity and direction, 39 miles S. Date, 17th. Total monthly movement, 701.1 miles.			
Monthly Mean, 30.165 inches. Highest, 30.809 in.; Date, 19th. Lowest, 29.310 in.; Date, 23d. Monthly range, 1.499 in.	Monthly Mean, 40.8 degrees. Highest, 62 deg.; Date, 12th. Lowest, 9 deg.; Date, 30th. Absolute range, 53 degrees. Greatest daily range, 26 deg.; Date, 28th. Least daily range, 4 deg.; Date, 29th. Mean daily range, 16.0 degrees. Total excess since Jan. 1 = 340 degrees.	Prevailing direction, N. Mean hourly velocity, 9.7 Max. hourly velocity and direction, 39 miles S. Date, 17th. Total monthly movement, 701.1 miles.	Mean number of days on which precipitation occurred, 8. *Greatest 24 hour precipitation, 1.875--4.18 (inches) 82; Date, 18th--19th. Total monthly precipitation, 26.27 (in. and tenths), 2 Total depth of snow fall (inches and tenths), 2 Thun. S'tms none. Total deficiency of precipitation since Jan. 1 = 5.65 in.	1873--34.0 deg. 1874--41.8 1875--37.2 1876--42.9 1877--46.0 1878--42.3 1879--42.3 1880--40.0 1881--43.1 1882--37.8	1873--42.1 deg. 1883--46.9 1874--42.4 1875--42.4 1876--44.3 1877--42.1 1878--47.4 1879--42.3 1880--40.0 1881--41.8 1882--40.8 1883--42.1	1873--1.75 1883--1.56 1874--4.69 1875--3.44 1884--2.24 1876--7.44 1885--3.49 1877--4.43 1886--3.89 1878--7.11 1887--2.85 1879--6.33 1888--4.73 1880--2.33 1889--7.78 1882--1.56 1891--2.21 1882--1.31

Monthly mean humidity, 74.0 per cent. Monthly mean dew point, 32.0. Number of cloudless days, 13. Number of partly cloudy days, 4. Number of cloudy days, 13.  
 Dates of Solar Halos, 22d.  
 Dates of Lunar Halos, 19th.  
 † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF DECEMBER, 1891.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of December, 1891.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Periperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.		
Ansonia.	10,342	17	19.7	5	29.4	---	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	2	---	---	3	1	2	7	2
Bridgeport.	48,866	118	27.7	31	26.2	22	---	---	4	---	8	1	---	2	1	---	---	1	---	5	28	4	7	4	4	26	6	6	
Bristol.	7,382	20	32.5	4	20.0	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Danbury.	19,473	32	19.7	10	31.2	---	---	---	1	---	2	---	---	---	---	---	---	---	---	3	3	6	2	5	4	1	8	1	
Derby.	5,969	8	16.0	1	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	
Enfield.	7,199	27	45.0	6	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	
Greenwich.	10,131	18	21.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Groton.	5,539	8	17.3	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	
Hartford.	53,230	199	38.3	19	9.5	---	1	2	6	19	1	1	1	12	2	---	---	---	---	10	72	6	12	4	8	43	1		
Killingly.	7,027	10	17.0	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	
Manchester.	8,222	16	23.3	3	18.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	
Meriden.	25,423	88	41.5	17	19.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	
Middletown.	15,205	44	26.8	5	11.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	
Naugatuck.	6,218	12	23.1	1	8.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	
New Britain.	19,007	39	24.6	9	23.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6	
New Haven.	86,045	211	29.1	38	18.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7	
New London.	13,757	27	23.5	6	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	
Norfolk.	17,747	27	18.2	5	18.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	
Norwich.	23,048	61	31.7	10	16.3	---	---	---	4	1	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	
Putnam.	6,512	11	20.2	3	27.2	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	
Southington.	5,500	8	17.4	2	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Stamford.	15,700	24	18.3	8	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Stonington.	7,184	4	6.6	1	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	
Thompson.	5,860	9	19.3	2	22.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Torrington.	6,948	15	35.3	5	19.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vernon.	8,868	26	35.4	5	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wallingford.	6,864	12	21.3	2	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Waterbury.	33,202	74	26.7	19	20.4	---	---	---	---	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	22	
Winchester.	6,193	9	17.4	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	
Windham.	10,932	15	17.9	2	13.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
Total of the 30 above towns.	501,164	1182	28.3	220	18.6	34	---	1	11	10	64	3	2	28	3	6	3	8	6	89	303	63	104	63	39	342	42		
The 137 towns of less than 5,000 inhabitants.	241,934	547	27.1	53	9.7	37	---	1	7	2	15	---	3	12	2	3	---	2	1	47	112	23	66	44	17	153	6		
Total reported from 167 towns.	743,098	1729	27.9	273	15.8	71	---	2	18	12	79	3	5	40	5	9	3	10	7	136	415	86	170	107	56	495	48		
Population of town not reporting.	3,160	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

The Mortality in Public Institutions of the State were: in Hartford, 5; in Hardford, 29; in Middletown, 10; and in New Haven, 20. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in December: Andover, Barkhamsted, Beacon Falls, Columbia, Eastford, Franklin, Granby, Killingworth, Salem, Sherman, Union, Warren.—12.

The Registrar of New Hartford has made no report for December:

# REMARKS.

In addition to the above report of mortality, this office is in receipt of 23 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bridgeport, Brooklyn, Cheshire, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, Hartford, Madison, New Hartford, Newtown, Norwalk, Rocky Hill, Salem, Stamford, Suffield, Watertown, Wethersfield, Westport, Windham—23.

The mortality report for December has been received from every town in the State except New Hartford. There were 1729 deaths reported in the State during the month. This was 637 more than in November; it was 730 more than in December, 1890, and 787 more than the average number of deaths in December for the five years preceding the present.

The number of deaths in the twelve months of the year compared with the same of each of the five years preceding was as follows:

	1891	1890	1889	1888	1887	1886
January,	989	1648	892	1015	918	881
February,	948	1089	922	1097	858	853
March,	1128	1097	1049	1170	1043	1060
1st quarter,	3065	3834	2863	3282	2819	2794
April,	1260	1087	1073	1116	1011	1056
May,	1171	978	932	983	906	883
June,	977	908	925	813	817	814
2d quarter,	3408	2973	2930	2912	2734	2753
July,	1299	1300	1329	1188	1649	1093
August,	1248	1280	1190	1433	1278	1308
September,	1105	1006	1040	1032	1004	974
3d quarter,	3652	3586	3559	3653	3931	3275
October,	1104	994	1027	959	839	969
November,	1092	934	896	850	791	879
December,	1729	999	948	950	870	941
4th quarter,	3925	2927	2871	2759	2500	2789
Total for 12 mos.,	14050	13320	12223	12569	11984	11611

In the twelve months of the year the number of deaths was 14,050, being 730 more than in the last year, and 1708 more than the average for the last five years.

The death-rate was 28.3 for the large towns; for the small towns 27.1, and 27.9 for the whole State.

The deaths from Zymotic diseases were 264, being 15.2 per cent. of the total mortality against 18.8 per cent. in November.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**Measles**—Bridgeport, Hartford, Trumbull, Westport,—2 deaths.

**Scarlet Fever**—Ansonia, Bridgeport, Colchester, Danbury, Farmington, Griswold, Hartford, Mansfield, Middlefield, New Hartford, Norwalk, Norwich, Stamford, Suffield, Wethersfield, Windham—18 deaths.

**Cerebro-Spinal Fever**—Ansonia, Griswold, Hartford, Manchester, Norwich, Southington, Suffield—12 deaths.

**Diphtheria and Croup**—Ansonia, Bethel, Branford, Bridgeport, Bristol, Brooklyn, Danbury, East Hartford, East Haven, Farmington, Griswold, Hartford, Meriden, Middletown, New Britain, New Canaan, New Haven, Norwalk, Norwich, Plymouth, Seymour, South Windsor, Stamford, Torrington, Watertown—79 deaths.

**Typhoid Fever**—Bethel, Bozrah, Bridgeport, Bristol, Brooklyn, East Hartford, Griswold, Hartford, Hebron, Killingly, Manchester, Meriden,

New Britain, New Haven, New London, Newtown, Norwalk, Pomfret, Putnam, Rocky Hill, Saybrook, Thomaston, Waterbury, Watertown, Woodstock—40 deaths.

## REMARKS.

The deaths in December represent a larger annual death-rate than in any previous month since the supervision of the registration of vital statistics has been in charge of the State Board of Health. The month which had an approximate mortality was January of 1890, when the number registered was 1,693. The number now reported from the towns of the State for December is 1,728, which number probably will be slightly increased when the returns to the registrars' offices are completed. The explanation is in the general prevalence of epidemic Influenza during each of these months. The average monthly mortality for the years 1890-91 was 1,135. Although the excess above this in each of these two months was between 400 and 500, during which the epidemic was at its highest, yet only 83 deaths were attributed directly to the epidemic in January, 1890, and only 71 in December, 1891. While the great increase of mortality was coincident with the highest prevalence of Influenza, yet the registration shows that the real excess of deaths is ascribed to the acute diseases of the lungs, viz.: Pneumonia and Bronchitis. It is noticeable that quite different ideas of certifying to causes of death exist in different towns—for instance in Bridgeport 22 deaths were attributed to La Grippe, while in New Haven and Hartford not one is ascribed to that disease, although it has doubtless prevailed in the latter cities as severely as in Bridgeport.

It has happened that in the first month of 1890 and in the last month of 1891 Connecticut in common with many other States of the Union has suffered a severe prevalence of this epidemic, with a more moderate attack in the spring of 1891. Without dispute, it is recognized as a consequence of these epidemics that the acute inflammatory disease of the lungs has been so fatal. As illustrative of the force of this influence, it appears that in the years 1890 and 1891 the deaths from Pneumonia and Bronchitis averaged 1,910 per year, while in the previous five years before the epidemic occurred the average annual mortality from these diseases was only 1,241.

Almost every Sanitary correspondent mentions the presence of La Grippe, which indicates how universally the disease pervades the State.

Typhoid Fever has maintained about an average monthly mortality since July.

Diphtheria and Croup have varied only from 77 to 80 each month during the last quarter of the year.

Consumption does not appear to have been specially influenced by the epidemic. The mortality has not widely diverged from the average during the winter thus far.

The total mortality of the State last year was a little in excess of that of the year before.

## ABOUT THE "ANNUAL ABSTRACT."

This office is in receipt of frequent enquiries as to which cause of death should be entered in the "Annual Abstract." Whether the "Primary" or the "Secondary."

The answer is best given by an illustration. A certificate states the primary cause to be "Consumption," and the secondary cause "Hemorrhage." It is quite obvious that Consumption should be entered in the "Abstract," for Hemorrhage is too indefinite. Again, the certificate may give Pneumonia as the primary cause, and Heart Failure as the secondary. Heart Failure having no significance concerning the cause of death, is not to be used in the "Abstract," but Pneumonia, being the disease, is the cause to be reported.

But unfortunately the primary cause as given in the certificate, may not always be properly reported, for many physicians ignorantly or carelessly reverse the correct order of causes; hence the Registrar must in each case exercise his knowledge of pathology and his best judgment. When the certificates are correctly written, the primary cause of death is to be reported to this office, both in the monthly and annual statements.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, January 15, 1892.



# METEOROLOGICAL REPORT FOR THE MONTH OF DECEMBER, 1891.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

Date.	Baro- meter†	Temperature.‡				Rel'ive Humid'y.				Wind.				Precip- itation.	Character of Weather.		Charac- ter of the Day.
		Daily Mean.	8 A. M.	3 P. M.	Daily Mean.	8 A. M.	3 P. M.	8 A. M.		8 P. M.		Daily Maxim- um.	Max. Veloc- ity.		N W S E N E S W N W S W N 		

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and foots.)
		Monthly Mean.	Range.	Prevailing direction, S. W.	Total number of days on which precipitation occurred, 12.		
Monthly Mean, 30.142 inches.	Highest, 60 deg.; Date, 29d.	Lowest, 16 deg.; Date, 18th.	Absolute range, 44 degrees.	Mean hourly velocity, 9.4.	*Greatest 24 hour precipitation, 1.74.	1873--32.6 deg.	1873--1.44
Highest, 30.573 in.; Date, 31st.	Lowest, 29.376 in.; Date, 16th.	Greatest daily range, 28 deg.; Date, 1st.	Least daily range, 6 deg.; Date, 25th.	Max. hourly velocity and direction, 48 miles S. W. Date, 4th.	Total monthly movement, 6.977 miles.	1884--31.5	1874--2.85
Monthly range, 1.197 in.	Mean daily range, 16.1 degrees.	Total excess since Jan. 1 = 551 degrees.				1885--33.3	1875--1.39
						1886--27.3	1876--2.28
						1887--32.6	1877--1.46
						1888--31.6	1878--5.50
						1889--38.8	1879--4.41
						1890--26.6	1880--3.40
						1891--39.2	1881--4.75
						1892--29.0	1882--2.99

Monthly mean humidity, 73.2 per cent. Monthly mean dew point, 30.0. Number of cloudless days, 13. Number of partly cloudy days, 7. Number of cloudy days, 11.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. | Humidity relative, saturation being 100.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF JANUARY, 1892.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of January, 1892.

The Population stated below was given by the Eleventh Census. Total population of the State, 716,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 years to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.		
Ansonia.....	10,342	17	19.4	3	17.6	7	—	—	—	1	1	—	—	1	—	—	—	—	—	1	—	1	2	—	2	1	1		
Bridgeport.....	48,866	115	23.0	28	24.3	22	—	3	—	—	5	—	—	1	—	—	—	—	—	4	19	8	14	9	4	24	4		
Bristol.....	7,382	10	30.8	2	10.5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	2	7	6	3	2	1	20	2		
Danbury.....	19,473	68	41.9	14	20.5	14	—	3	—	—	1	—	—	1	—	—	—	—	—	6	8	5	3	1	3	3	—		
Derby.....	5,969	14	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Enfield.....	7,199	14	23.3	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	1	4	2	6	—	1	3	—		
Greenwich.....	10,131	22	26.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Groton.....	5,539	15	32.4	1	6.6	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Hartford.....	53,230	151	32.9	19	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Killingly.....	7,027	23	39.9	3	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Manchester.....	8,222	15	22.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Middleton.....	25,423	47	22.0	10	21.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Middletown.....	15,205	67	38.6	12	18.0	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Naugatuck.....	6,218	10	19.2	3	30.0	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
New Britain.....	19,007	40	25.2	7	17.5	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
New Haven.....	36,045	178	24.4	49	27.5	27	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—		
New London.....	13,757	39	34.0	7	18.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Northford.....	17,747	38	25.6	7	18.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Norwalk.....	17,747	38	25.6	7	18.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Norwich.....	23,048	44	22.9	7	16.0	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Putnam.....	6,512	15	27.6	4	26.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Southampton.....	5,501	7	15.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Stamford.....	15,790	41	33.6	17	38.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Stonington.....	7,184	11	18.3	1	9.0	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Thompson.....	5,580	7	15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Torrington.....	6,018	31	61.5	5	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Vernon.....	8,808	27	36.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Wallingford.....	6,584	23	41.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Waterbury.....	33,202	62	33.6	31	33.3	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Winchester.....	6,183	16	36.8	1	5.2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Windham.....	10,032	28	33.4	2	7.1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Total of the 30 above towns.....	501,164	1241	29.7	233	18.7	150	—	—	8	5	70	4	5	20	2	—	—	—	—	4	6	104	239	85	121	67	32	315	38
The 137 towns of less than 5,000 inhabitants.....	244,529	712	34.9	55	7.7	95	—	—	9	8	18	—	—	2	—	—	—	—	3	2	3	47	209	42	47	13	169	9	
Total reported from 167 towns.....	745,693	1953	31.4	288	14.7	245	—	—	17	13	88	4	5	22	2	—	—	—	7	6	9	151	448	127	168	112	45	484	47
Population of town not reporting.....	595	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 24; in Middletown, 18; and in New Haven, 16. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in January: Bolton, East Granby, Goshen, Marlborough, Middlebury, Wolcott.

The Registrar of Hartland has made no report for January:

## REMARKS.

In addition to the above report of mortality, this office is in receipt of 25 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Avon, Ansonia, Bridgeport, Brooklyn, Cheshire, Coventry, East Haddam, Greenwich, Griswold, Guilford, Haddam, New Fairfield, New Hartford, Norwalk, Orange, Oxford, Ridgefield, Rocky Hill, Stafford, Stamford, Suffield, Watertown, Wethersfield, Westport, Windham—25.

The mortality report for January has been received from every town in the State except Hartland.

There were 1953 deaths reported in the State during the month. This was 224 more than in December; it was 964 more than in January, 1891, and 860 more than the average number of deaths in January for the five years preceding the present.

The number of deaths in the first month of this year compared with the same of each of the five years preceding was as follows:

	1892	1891	1890	1889	1888	1887
January,	1953	989	1648	892	1015	918

The death-rate was 29.7 for the large towns; for the small towns 34.9, and 31.4 for the whole State.

The deaths from Zymotic diseases were 418, being 21.4 per cent. of the total mortality against 15.2 per cent. in December.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**La Grippe**—Ansonia, Avon, Bridgeport, Bristol, Brookfield, Cheshire, Chester, Clinton, Colchester, Coventry, Cromwell, Danbury, Darien, Derby, Durham, East Haddam, East Hartford, East Windsor, Enfield, Fairfield, Griswold, Groton, Guilford, Haddam, Hamden, Hebron, Killingworth, Ledyard, Litchfield, Manchester, Middletown, Naugatuck, New Britain, New Hartford, New Haven, Newington, New Milford, Norwalk, Norwich, Oxford, Plymouth, Pomfret, Redding, Ridgefield, Saybrook, Stafford, Sterling, Stonington, Suffield, Warren, Waterbury, Waterford, Watertown, Wethersfield, Westport, Windham, Winchester, Woodbridge, Woodstock—245 deaths.

**Measles**—Norwalk—no deaths.

**Scarlet Fever**—Bridgeport, Colchester, Danbury, East Granby, Griswold, New Fairfield, New Haven, Newtown, Norwalk, Orange, Plainfield, Ridgefield, Suffield, Thomaston, Wallingford, Wethersfield—17 deaths.

**Cerebro-Spinal Fever**—Ansonia, Manchester, Middletown, Milford, New Haven, Seymour, Simsbury, Sprague, Stonington, West Hartford, Woodbury—13 deaths.

**Diphtheria and Croup**—Ansonia, Bethel, Broomfield, Branford, Bridgeport, Canterbury, Danbury, Darien, East Haddam, East Lyme, Fairfield, Griswold, Guilford, Hartford, Killingly, Meriden, Middletown, Naugatuck, New Britain, New Hartford, New Haven, Norwalk, Norwich, Orange, Plainville, Portland, Rocky Hill, Stamford, Sterling, Suffield, Torrington, Waterbury—88 deaths.

**Typhoid Fever**—Ansonia, Bozrah, Bridgeport, Danbury, Hartford, Manchester, Montville, New Hartford, New Haven, Stonington, Vernon, Wethersfield, Windham—22 deaths.

The mortality in Connecticut in January exceeds any previous record.

The death-rate was 3.5 greater than in the preceding month.

It is to be noted, too, that the death-rate in the rural towns very much exceeds that in the large towns.

The 245 deaths attributed to La Grippe is not the measure of its mortality. Among the 575 deaths from Pneumonia and Bronchitis, doubtless a large proportion would be more correctly charged to La Grippe.

The following circular has been sent to all the physicians in the State:

"The law of Connecticut on the matter of reporting Births occurring the State is:—

"Every physician, or midwife, who shall have professional charge of the mother at the birth of any child, and every attendant who may act as midwife at such time, where no physician or midwife is employed, shall, during the first week of the month next succeeding such birth, furnish the registrar of the town wherein such births may have taken place a certificate, signed by such physician, midwife, or attendant, and stating, from the best information which can be obtained, the name of such child, if it have one; the place and date of its birth; its sex; the name of its father, the maiden name of its mother; the ages, color, residence, and nationality of its parents; the occupation of its father; the number of the child, and the name and address of the medical attendant."—*Section 103, Gen. Statutes.*

"Any person violating any of the provisions of this act, shall be punished by a fine not exceeding twenty-five dollars nor less than ten dollars."—*Section 112, Gen. Statutes.*

"The experience of the Board in relation to reports of births is, that the certificates illegally deferred are more inaccurate and imperfect in themselves and less complete in number, than when returned monthly according to law.

"The State Board, as being charged with the supervision of the registration of Vital Statistics, feels it to be its duty to see that the law is obeyed.

"The Board expects you, in future as a law abiding citizen, strictly to observe its requirements. Registrars are requested to endorse on the back of the certificates the date on which they are returned.

"The subject is one of no trivial importance. The frequency with which the records are consulted, and certificates of record given to establish claims to titles and to pensions, to determine the settlement of paupers, and to prove the rights of heirship and other rights sufficiently attests their value. The neglect of this duty by physicians and others whom the law charges with it, is a direct personal wrong inflicted upon the new born native, as well as a violation of a just and important law.

"Every child born in Connecticut has the right by law to have its birth recorded, with its parentage and other facts sufficient to identify it. The omission may be of serious consequence to its future interests in the world and to the public welfare.

"The physicians and midwives are paid for the duty, and have no right to neglect it.

"In behalf of the State Board of Health,

"Very respectfully,

"C. A. LINDSLEY, Secretary."

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and  
Superintendent of Vital Statistics.

NEW HAVEN, February 15, 1892.



# METEOROLOGICAL REPORT FOR THE MONTH OF JANUARY, 1892.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.				WIND.				PRECIPITATION.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.		
	Baro- meter†	Temperature.			8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.		Daily Movement.		Max. Velocity.	An't In'g Snow feet.		8 A. M.	2 P. M. 8
		Daily Mean.	Maximum.	Minimum.				Range.	Direction.	Vel. per hr.	Direction.							
1	30.31	50.	32.	40.	23.	17.	82	74.5	NW	1	SE	5	0	11	Sprinkling	Cloudy	Cloudy	
2	29.60	50.	48.	46.	32.	15.	81	80.0	SE	13	S	11	-73	36	Cloudless	Cloudless	Cloudy	
3	29.65	34.	32.	26.	32.	17.	80	76.0	SW	12	SW	6	0	22	Partly Cloudy	Partly Cloudy	Partly Cloudy	
4	29.67	20.	22.	25.	22.	13.	63	57	NW	10	W	7	0	243	Cloudless	Cloudless	Cloudless	
5	29.75	21.	26.	31.	26.	11.	81	66	W	4	NW	5	0	12	Light Snow	Cloudless	Cloudless	
6	29.45	22.	29.	31.	10.	12.	92	90	NE	14	NE	13	.26	29	Cloudless	Cloudless	Cloudless	
7	29.70	23.	26.	28.	34.	13.	68	64	W	11	W	7	0	24	Cloudless	Cloudless	Cloudless	
8	30.11	17.	25.	22.	34.	21.	100	62	W	8	SW	4	0	12	Light Snow	Cloudless	Partly Cloudy	
9	30.32	24.	23.	24.	32.	16.	61	64.5	NW	4	NW	5	31	13	Cloudless	Cloudless	Cloudless	
10	30.58	12.	22.	16.	23.	0.	78	81	NE	5	NE	10	0	18	Light Snow	Cloudless	Cloudless	
11	30.51	22.	27.	23.	37.	19.	87	91	NE	18	NE	18	0	27	Light Snow	Cloudless	Cloudless	
12	30.38	30.	34.	30.	34.	25.	99	95	NE	9	NE	10	.02	19	Heavy Rain	Foggy	Cloudy	
13	30.08	36.	40.	41.	50.	32.	98	90	NE	11	NW	2	.148	16	Cloudy	Cloudy	Cloudy	
14	30.09	43.	50.	48.	57.	38.	92	95.0	S	13	NW	6	.05	25	Sleeting	Cloudless	Cloudless	
15	30.18	31.	24.	28.	31.	24.	71	82.5	N	11	N	15	.95	21	Cloudless	Cloudless	Cloudless	
16	30.48	15.	17.	19.	25.	13.	63	65	N	8	N	5	0	24	Cloudless	Cloudless	Cloudless	
17	30.61	6.	22.	18.	30.	5.	61	61.0	NE	14	NE	3	0	16	Sleeting	Light Rain	Cloudless	
18	30.28	24.	44.	32.	40.	19.	98	94.5	NE	4	S	10	.20	13	Cloudless	Light Snow	Cloudy	
19	29.84	43.	23.	34.	44.	23.	98	96.0	NW	3	N	12	18	24	Partly Cloudy	Cloudless	Partly Cloudy	
20	30.22	10.	12.	14.	18.	10.	64	70	NW	14	N	4	.99	18	Cloudless	Cloudless	Cloudless	
21	30.25	11.	25.	18.	29.	7.	60	57	NW	6	SW	9	0	24	Cloudless	Cloudless	Cloudless	
22	30.23	30.	34.	25.	34.	16.	71	72.5	NE	3	SW	7	0	26	Partly Cloudy	Cloudless	Cloudless	
23	29.82	34.	35.	36.	41.	31.	61	69.0	SW	3	SW	9	0	19	Cloudless	Cloudless	Cloudless	
24	29.76	33.	36.	36.	40.	32.	61	69.0	NW	3	W	17	T	25	Cloudless	Cloudless	Cloudless	
25	29.78	34.	39.	38.	42.	30.	70	63	SW	12	W	15	0	15	Cloudless	Cloudless	Cloudless	
26	29.78	16.	15.	8.	17.	0.	56	63	NW	23	NW	24	0	39	Cloudless	Cloudless	Cloudless	
27	29.08	6.	15.	8.	17.	0.	56	63	NW	17	NW	8	0	38	Cloudless	Cloudless	Cloudless	
28	29.06	17.	37.	36.	41.	31.	65	74.0	W	13	W	5	0	18	Cloudless	Cloudless	Cloudless	
29	29.78	34.	37.	36.	41.	31.	65	74.0	W	13	W	5	0	18	Cloudless	Cloudless	Cloudless	
30	29.78	34.	37.	36.	41.	31.	65	74.0	W	13	W	5	0	18	Cloudless	Cloudless	Cloudless	
31	29.97	28.	29.	30.	37.	23.	79	68.5	N	13	NE	6	T	26	Cloudless	Cloudless	Cloudless	
32	29.97	28.	29.	30.	37.	23.	79	68.5	W	5	W	22	0	27	Cloudless	Cloudless	Cloudless	
Month.	30.02	25.0	28.9	27.1	31.0	11.0	76	73.5	NE&NW	9.2	NE&W	9.2	23.5	20.0	Total	5.39	27	

## SUMMARY.

BAROMETER.		TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and toots.)	
Monthly Mean, 30.02 inches		Monthly Mean, 72.0 degrees.		Prevailing direction, N. E.		Total number of days on which precipitation occurred, 10.		1873--24.1 deg.		1873--7.42	
Highest, 30.63 in.; Date, 17th.		Highest, 57 deg.; Date, 14th.		Mean hourly velocity, 8.8.		*Greatest 24 hour precipitation, 1874--31.3		1883--23.8 deg.		1873--7.42	
Lowest, 29.237 in.; Date, 6th.		Lowest, 57 deg.; Date, 27th.		Max. hourly velocity, 28.		(in. and toots), 1.8; Dates, 1875--22.7		1884--23.2		1874--4.29	
Monthly range, 1.426 in.		Absolute range, 57 degrees.		Total monthly movement, 7,300 miles.		Total depth of snow fall (inches and toots), 5.39		1885--26.8		1875--2.72	
Monthly range, 1.426 in.		Least daily range, 7 deg.; Date, 26th.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1886--25.4		1876--1.54	
Monthly range, 1.426 in.		Mean daily range, 14.0 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1887--25.2		1877--2.60	
Monthly range, 1.426 in.		Total excess since Jan. 1 = 5 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1888--20.5		1878--6.80	
Monthly range, 1.426 in.		Total excess since Jan. 1 = 5 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1889--34.2		1879--2.69	
Monthly range, 1.426 in.		Total excess since Jan. 1 = 5 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1890--35.4		1880--3.75	
Monthly range, 1.426 in.		Total excess since Jan. 1 = 5 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1891--30.8		1881--4.79	
Monthly range, 1.426 in.		Total excess since Jan. 1 = 5 degrees.		Total excess of precipitation since Jan. 1 = 1.18 in.		Total excess of precipitation since Jan. 1 = 1.18 in.		1892--27.9		1882--5.91	

Monthly mean humidity, 74.8 per cent. Monthly mean dew point, 19.6. Number of cloudless days, 9. Number of partly cloudy days, 9. Number of cloudy days, 13.

Dates of Solar Halos, 22d, 26th. Dates of Lunar Halos, 8th, 9th. Dates of Auroras, 5th.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.

Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "I" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF FEBRUARY, 1892.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of February, 1892.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths under 5 to total mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipels.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia,.....	10,312	18	20.8	4	22.2	8	---	---	---	---	---	---	1	2	---	---	---	---	---	3	2	4	---	9	1
Bridgeport,.....	48,866	88	21.6	20	30.0	---	---	---	---	---	2	---	---	1	---	---	---	---	---	10	10	4	3	3	3
Bristol,.....	7,382	17	27.6	4	23.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Danbury,.....	19,473	35	21.5	15	42.8	6	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	1	---	---	---
Derby,.....	5,069	11	22.1	4	35.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield,.....	7,109	17	28.3	3	13.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich,.....	10,131	13	15.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton,.....	5,539	6	13.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford,.....	53,230	120	20.6	43	31.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Killingly,.....	7,027	12	20.4	3	18.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester,.....	8,222	16	16.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middleton,.....	25,423	38	16.9	15	41.6	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown,.....	15,208	48	29.2	3	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nagawauk,.....	9,037	25	15.7	10	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain,.....	86,035	146	25.2	36	24.6	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Haven,.....	13,727	21	18.3	2	9.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New London,.....	17,717	29	19.6	6	20.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwalk,.....	23,048	36	18.7	6	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich,.....	6,512	12	22.1	6	50.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Putnam,.....	5,501	6	13.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington,.....	15,700	25	19.1	6	24.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford,.....	7,184	14	23.3	1	7.1	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington,.....	5,580	14	30.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson,.....	6,048	16	31.7	1	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington,.....	8,868	10	13.6	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon,.....	6,584	14	25.5	1	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford,.....	33,202	31	11.2	12	38.7	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury,.....	6,183	7	13.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester,.....	10,032	18	21.5	7	40.0	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham,.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns,.....	501,164	873	20.9	215	24.6	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
The 136 towns of less than 5,000 inhabitants,.....	243,842	403	19.8	55	13.6	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total reported from 166 towns,.....	745,006	1276	20.5	270	21.1	60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Population of town not reporting,.....	1,252	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 17; in Middletown, 11; and in New Haven, 21. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in February: Barkhamsted, Bethany, Bethlehem, Bridgewater, Eastford, East Windsor, Franklin, Granby, Hampton, Harwinton, Middlebury, Monroe, Old Saybrook, Oxford, Roxbury, Scotland, Sherman, Tolland, Voluntown, Windsor Locks—20.

The Registrars of the following towns have made no report for February: Marlborough, New Fairfield.



# REMARKS.

In addition to the above report of mortality, this office is in receipt of 24 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are : Ansonia, Bridgeport, Brooklyn, Chester, Colchester, Coventry, East Haddam, Greenwich, Guilford, Haddam, New Hartford, Newtown, Norfolk, Norwalk, Orange, Rocky Hill, Roxbury, Stamford, Suffield, Westport, Wethersfield, Windham—24.

The mortality report for February has been received from 166 towns in Connecticut.

There were 1276 deaths reported in the State during the month. This was 677 less than in January ; it was 328 more than in February, 1891, and 970 more than the average number of deaths in February for the five years preceding the present.

The number of deaths in the first two months of the year compared with the same of each of the five years preceding was as follows :

	1892	1891	1890	1889	1888	1887
January,	1953	989	1648	892	1015	918
February,	1276	948	1089	922	1097	858

The death-rate was 20.9 for the large towns ; for the small towns 19.8, and 20.5 for the whole State.

The deaths from Zymotic diseases were 193, being 15.1 per cent. of the total mortality against 21.4 per cent. in January.

The following infectious diseases were reported to this office as occurring in the towns mentioned :

**La Grippe**—Avon, Beacon Falls, Bolton, Bozrah, Bridgeport, Bristol, Brooklyn, Coventry, Danbury, Griswold, Haddam, Lisbon, Manchester, Meriden, Morris, New Canaan, New Hartford, New Haven, Newtown, Pomfret, Portland, Stonington, Suffield, Trumbull, Warren, Waterbury, Waterford, Watertown, Westport, Windham, Woodbridge, Woodbury—60 deaths.

**Measles**—Bridgeport, Griswold, Norwalk, Roxbury—no deaths.

**Scarlet Fever**—Bethel, Bridgeport, Chester, Colchester, Danbury, East Haddam, Griswold, Hartford, Naugatuck, New Haven, New Milford, Newtown, Norfolk, Norwalk, Orange, Seymour, Wallingford, Waterford, Westport, Wethersfield, Wilton, Windham—18 deaths.

**Cerebro-Spinal Fever**—Farmington, Kent, Ledyard, Middletown, Putnam, Wallingford, West Hartford, Woodbridge—5 deaths.

**Diphtheria and Croup**—Branford, Bridgeport, Brooklyn, Canterbury, Danbury, Derby, Fairfield, Goshen, Hartford, Meriden, Middletown, Naugatuck, New Canaan, New Haven, Norwalk, Orange, Putnam, Seymour, Torrington, Waterbury, Waterford, Windham—50 deaths.

**Typhoid Fever**—Ansonia, Bethel, Danbury, Glastonbury, Hartford, Meriden, Middletown, New Haven, Newtown, North Canaan, Norwich, South Windsor, Thompson, Wallingford, Waterbury—16 deaths.

The **Typhus Fever** case of Fever, from the ship *Massalia*, found in Hartford, proved not Typhus, as at first suspected.

The mortality in February was a great deal less than it was in the month before. The reduction was in almost every important cause of death ; but it was most observed, in the deaths resulting from diseases of the respiratory organs. The deaths from epidemic Influenza, Pneumonia, Bronchitis and Consumption were 504 less than in January preceding. That is there were 971 deaths from these diseases in January, and only 467 in February.

## TO REGISTRARS ABOUT REMOVAL PERMITS.

There has been sent to every Registrar in the State a new form of blank "Permit," for the transportation of bodies out of the State. Heretofore much inconvenience and some delay has been suffered by the necessity of going, when a dead body has reached New York City, to the Health Department to obtain a transit permit.

By personal interviews and correspondence with the Health Department of New York I have made arrangements that are satisfactory to the Health authorities there, so that by means of this new form of Transit Permit, there need be no delay in transferring a dead body through the City of New York.

The new form is intended to be used only when bodies are to be transported out of the State. The old form of removal permit is still to be used for all removals within the State.

## A HINT TO PHYSICIANS.

I am in constant receipt of letters from sextons in all parts of the State, complaining of the difficulty they experience, in obtaining the necessary Certificate of Death which is required to present to the Registrar, before they can get the Burial Permit.

They say they often have to go to the Physician's office several times before getting it ; although he may have been in his office in each interval, but neglected to provide the Certificate. Such neglect is more than troublesome to the Sexton, it is vexatious and sometimes has delayed the exercises at the funeral.

Under such circumstances, the Sexton having made the legal "application" which the law requires, would be justified in procuring the Certificate from other sources, as the law provides, in case it cannot be obtained from the Physician last in attendance.

Of course there are not many Physicians so indifferent to their duty, but the numerous complaints from many sections of the State, with statements so circumstantial, carries a conviction, that there are far too many.

It is very important in the interest of all concerned, that careless Physicians would be more considerate.

The State expects Physicians as well as Sextons to obey the laws. The law says that Physicians *shall*, upon application, give a Certificate. It does not say after several applications ; but it subjects the Physicians to a penalty if he does not give the Certificate.

## ANOTHER WORD TO REGISTRARS.

Registrars are requested, in their monthly statements, to give the number of deaths of non-residents ; that it may be deducted from the total deaths in estimating the death-rates, in their respective towns.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, March 15, 1892.

# METEOROLOGICAL REPORT FOR THE MONTH OF FEBRUARY, 1892.

U. S. WEATHER BUREAU, NEW HAVEN, CONN. H. J. COX, OBSERVER.

Date.	Baro- meter†	TEMPERATURE.†				RELATIVE HUMIDY.			WIND.				Precipitation. Am't in Inches.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
		Daily Mean.	Range.			8 A. M.	8 P. M.	Daily Mean.	8 A. M.		8 P. M.			Max. Veloc- ity.	8 A. M.		P. M.
			Maximum.	Minimum.	Range.				Direction.	Vel. per h.	Direction.	Vel.					
1	30.03	31.	38.	33.	39.	27.	12.	72	67	69.5	W	2	N W	3	Cloudy	Partly Cl'dy	
2	29.96	36.	34.	38.	43.	34.	9.	76	95	85.5	0	0	E	6	Cloudy	Cloudy	
3	29.82	34.	32.	34.	36.	32.	4.	88	75	81.5	N	1	N W	10	Partly Cl'dy	Cloudless	
4	30.02	20.	31.	32.	36.	27.	9.	75	52	63.5	N W	8	N W	12	Cloudless	Partly Cl'dy	
5	30.03	23.	20.	25.	30.	20.	10.	67	95	66.0	N	11	N W	4	Cloudless	Cloudless	
6	30.34	12.	21.	20.	30.	10.	20.	61	63	62.0	W	5	N E	9	Cloudless	Partly Cl'dy	
7	30.07	23.	34.	26.	35.	16.	19.	73	98	85.5	W	7	N W	8	Cloudy	Cloudy	
8	29.68	37.	41.	41.	50.	32.	18.	67	67	82.0	S W	4	N W	16	Cloudless	Partly Cl'dy	
9	29.89	35.	34.	36.	43.	33.	10.	69	73	71.0	N W	6	S	10	Cloudless	Cloudless	
10	29.98	27.	32.	31.	38.	24.	12.	74	75	74.5	N	15	N W	7	Cloudless	Partly Cl'dy	
11	29.32	28.	31.	33.	39.	27.	12.	94	84	89.0	N E	11	N W	6	Cloudless	Cloudless	
12	29.35	24.	18.	23.	28.	18.	10.	63	64	63.5	N W	13	N W	6	Cloudless	Cloudless	
13	29.81	9.	17.	15.	22.	8.	14.	61	60	60.5	N W	13	N W	6	Partly Cl'dy	Cloudless	
14	29.93	15.	38.	24.	38.	10.	28.	64	94	79.0	N	2	S E	11	Cloudless	Light Rain	
15	30.05	42.	30.	39.	48.	30.	18.	87	62	64.5	S W	9	N	9	Cloudless	Cloudless	
16	30.54	19.	18.	22.	25.	18.	7.	54	61	57.5	N W	9	N	5	Cloudless	Cloudless	
17	30.55	14.	18.	19.	26.	12.	14.	60	53	55.5	N W	9	N W	5	Cloudless	Cloudless	
18	30.23	19.	35.	28.	42.	14.	28.	44	32	38.0	W	6	N W	9	Cloudless	Cloudless	
19	30.28	28.	37.	34.	33.	26.	17.	48	55	54.5	N	4	S E	4	Cloudless	Cloudy	
20	30.34	35.	35.	35.	33.	2.	94	95	95.5	N E	6	N E	13	N E	13	Cloudy	Cloudy
21	30.42	34.	37.	36.	38.	33.	5.	93	86	78.5	N E	12	N E	15	Partly Cl'dy	Partly Cl'dy	
22	30.40	37.	38.	40.	35.	9.	11.	85	69	76.5	N E	11	N E	9	Cloudless	Cloudless	
23	30.48	34.	37.	36.	42.	31.	17.	83	89	85.0	N E	11	N E	11	Cloudy	Cloudy	
24	30.42	33.	36.	38.	43.	32.	9.	86	84	85.0	N E	11	S E	2	Light Snow	Cloudy	
25	30.23	34.	40.	38.	43.	34.	11.	84	91	87.5	N E	13	S E	2	Cloudy	Cloudy	
26	30.52	37.	22.	41.	46.	36.	10.	98	81	89.5	N E	9	N E	11	Cloudy	Cloudy	
27	30.59	31.	23.	30.	37.	23.	14.	62	53	57.5	N E	16	N E	15	Cloudless	Partly Cl'dy	
28	30.60	19.	26.	25.	32.	18.	14.	79	75	77.0	N E	13	N E	11	Light Snow	Cloudy	
29	30.22	27.	36.	32.	40.	24.	16.	90	95	92.5	N E	10	N E	16	Cloudy	Cloudy	
Month's	30.13	29.7	31.5	31.1	37.6	24.7	12.9	75.2	72.3	73.8	N E	8.2	N W	8.2	Total, 1.56	19.8	

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
Monthly Mean, 30.134 inches. Highest, 30.663 in.; Date, 28th. Lowest, 29.180 in.; Date, 11th. Monthly range, 1.483 in.	Monthly Mean, 31.2 degrees. Highest, 50 deg.; Date, 8th. Lowest, 8; Date, 13th. Absolute range, 42 degrees. Greatest daily range, 28 deg.; Date, 14th. Least daily range, 2 deg.; Date, 20th. Mean daily range 12.9 degrees. Total excess since Jan. 1 = 81 degrees.	Prevailing direction, N E. Mean hourly velocity, 9.5. Max. hourly velocity and direc- tion, 29 miles N W. Date, 13th. Total monthly movement, 66.44 miles.	Total number of days on which precipitation occurred, 11. *Greatest 24 hour precipitation, (inches and tenths), .45; Dates, 20, 21; Total monthly precipi- tation (in. and tenths), 1.56 Total depth of snow fall (inches and tenths), 2.5 inches. Date of Thun. Storms, none. Total deficiency of precipitation since Jan. 1 = 1.63 in.	1873--26.4 deg. 1874--28.0 " 1875--21.0 " 1876--30.9 " 1877--35.6 " 1878--33.5 " 1879--27.1 " 1880--35.2 " 1881--26.8 " 1882--31.6 "	1873--3.45 1874--3.86 1875--3.98 1876--4.29 1877--6.22 1878--6.40 1879--3.89 1880--3.80 1881--6.17 1882--4.52 1883--5.00 1884--5.57 1885--3.15 1886--5.95 1887--6.22 1888--3.16 1889--2.08 1890--3.19 1891--5.88 1892--1.56

Monthly mean humidity, 73.3 per cent. Monthly mean dew point, 21.8. Number of cloudless days, 7. Number of partly cloudy days, 9. Number of cloudy days, 13.

Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32°. Elevation of thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "—" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



# MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MARCH, 1892.





# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of March, 1892.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representing Annual Death Rate per 1,000.	Deaths under 5 years.	Percentage of Deaths to total Mortality.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhea under 5.	Diarrhea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,342	23	26.6	11	48.0	---	---	---	---	---	2	1	---	---	---	---	2	1	1	4	4	2	2	1	4	1
Bridgeport.....	48,866	73	17.4	23	31.5	7	---	---	---	---	1	---	---	---	---	---	2	---	---	9	12	5	11	2	5	10
Bristol.....	7,382	15	24.3	1	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	1	3	5	2	2
Danbury.....	10,473	39	24.0	16	41.0	3	---	1	---	---	---	---	1	---	---	---	---	---	---	3	5	7	4	2	10	6
Derby.....	5,969	12	24.1	3	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	1	1	1	2	1
Enfield.....	7,109	13	21.6	2	15.3	---	---	---	---	3	---	---	---	---	---	---	---	---	---	5	1	1	2	1	1	9
Greenwich.....	10,131	22	26.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	5	2	1	1	9
Groton.....	5,539	6	13.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	5	2	1	1	9
Hartford.....	53,230	132	27.7	45	34.0	---	---	3	18	2	18	2	2	2	---	---	---	---	---	1	10	22	6	17	5	4
Killingly.....	7,027	12	20.4	4	33.3	---	---	---	1	---	---	---	---	---	---	---	---	---	---	3	3	4	1	---	3	1
Manchester.....	8,222	12	17.5	1	8.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	2	4	1	---	3
Meriden.....	25,423	37	17.4	6	16.2	4	---	---	---	---	---	---	---	---	---	---	---	---	---	5	1	2	12	4	1	8
Middletown.....	15,205	41	20.5	6	13.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	1	2	4	7	1	6
Middlebury.....	6,218	16	30.8	10	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	2	2	2	3	7
Naugauk.....	19,007	20	12.6	9	45.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	2	2	2	7	2
New Britain.....	86,045	121	16.3	35	28.9	3	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	7	22	8	3	38
New Haven.....	13,757	22	19.1	6	27.2	3	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	9	3	3	6	2
New London.....	17,747	33	22.3	3	9.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	5	3	5	1	7	3
Norwalk.....	23,048	39	20.3	8	20.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	5	1	7	3	2	14
Norwich.....	6,512	6	11.0	2	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	1	---	---	3
Putnam.....	5,501	10	21.8	2	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	2	1	---	---	3
Southampton.....	15,700	26	19.8	4	15.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	4	4	4	1	8	2
Stamford.....	7,184	12	20.0	2	16.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	4	1	---	4
Stonington.....	5,580	7	15.0	2	28.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	1	1	---	---	2
Thompson.....	6,048	9	17.8	3	33.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	1	---	---	---	3
Torrington.....	8,808	14	19.0	2	14.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	---	---	---	4
Vernon.....	6,584	9	16.4	1	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	1	1	---	---	2
Wallingford.....	33,202	60	21.6	25	41.6	2	---	---	---	---	---	---	---	---	---	---	---	---	---	7	11	4	7	2	5	15
Waterbury.....	6,183	7	13.5	1	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	1	2	3	1	6
Windsor.....	10,032	15	17.9	4	20.6	2	---	---	---	---	---	---	---	---	---	---	---	---	---	5	---	1	1	2	---	5
Windham.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
Total of the 30 above towns.....	501,164	866	20.7	221	25.5	21	---	1	15	11	41	4	4	8	2	---	5	8	11	98	119	52	129	60	32	245
The 138 towns of less than 5,000 inhabitants.....	245,094	438	21.4	61	13.9	14	---	4	10	2	12	2	1	7	1	1	3	2	3	44	76	17	47	46	13	133
Total reported from 168 towns.....	746,258	1304	20.9	282	21.6	35	---	5	25	13	53	6	5	15	3	1	8	10	14	142	195	69	176	106	45	378
Population of town not reporting.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	66

The Mortality in Public Institutions of the State were: in Bridgeport, 4; in Hartford, 25; in Middletown, 18; and in New Haven, 12. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in March: Andover, Bethany, Easton, Essex, Goshen, Hampton, Marlborough, Middlebury, Pomfret, Saybrook, Southbury, Sprague, Tolland, Union, Warren, Westbrook, Wolcott—17.

The Registrars of all the towns have made their reports for March.

# REMARKS.

In addition to the above report of mortality the office is in receipt of 22 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bridgeport, Brooklyn, Coventry, Darien, East Haddam, East Windsor, Greenwich, Griswold, Guilford, Haddam, Hartford, New Hartford, Norwalk, Orange, Rocky Hill, Suffield, Thomaston, West Hartford, Westport, Wethersfield, Windham—22.

The mortality report for March has been received from every town in Connecticut.

There were 1304 deaths reported in the State during the month. This was 28 more than in February; it was 176 more than in March, 1897, and 206 more than the average number of deaths in March for the five years preceding the present.

The number of deaths in the first quarter of the year compared with the same of each of the five years preceding was as follows:

	1892	1891	1890	1889	1888	1887
January,	1953	989	1648	892	1015	918
February,	1276	948	1089	922	1097	858
March,	1304	1128	1097	1049	1170	1043
1st quarter,	4533	3065	3834	2863	3282	2819

The death-rate was 20.7 for the large towns; for the small towns 21.4, and 20.9 for the whole State.

Again the death-rate in the large towns is less than in the small towns. The country places may lose their reputation for superior healthfulness, when brought in competition with the better administration of public hygiene in the cities and boroughs.

The deaths from Zymotic diseases were 193, being 14.7 per cent. of the total mortality against 15.1 per cent. in February.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**La Grippe**—Bridgeport, Brooklyn, Cromwell, Danbury, Haddam, Hamden, Hartford, Lebanon, Ledyard, Meriden, Milford, New Canaan, New Haven, Newtown, North Haven, Washington, Waterbury, Westport, Windham, Woodstock—35 deaths.

**Measles**—Ansonia, Bridgeport, Danbury, Greenwich, Norwalk, Portland, Somers, Westport—5 deaths.

**Scarlet Fever**—Bethel, Bridgeport, Colchester, East Haddam, East Windsor, Greenwich, Hartford, Naugatuck, New Britain, New Haven, New London, Norwalk, Norwich, Orange, Oxford, Seymour, Thomaston, Wallingford, Waterford, Wilton, Windham—25 deaths.

Scarlet Fever is unusually prevalent in several towns in the State; but is generally of mild type, with a small percentage of fatal cases.

**Cerebro-Spinal Fever**—Darien, Derby, Enfield, Killingly, Middletown, Naugatuck, Stonington, Suffield, Thompson, Wallingford—13 deaths.

**Diphtheria and Croup**—Ansonia, Bolton, Branford, Bridgeport, Darien, East Windsor, Griswold, Hartford, Mansfield, Middletown, New Britain, New Haven, Norwalk, Orange, Putnam, South Windsor, Stamford, Suffield, Thomaston, Vernon, Waterbury, West Hartford, Westport, Windham—53 deaths.

**Typhoid Fever**—Bristol, Cromwell, Danbury, Greenwich, Hartford, Kent, Ledyard, New Fairfield, Norwalk, Old Saybrook, Orange, Ridgefield, Stamford—15 deaths.

## HOSPITALS FOR CONTAGIOUS DISEASES.

Every Local Board of Health realizes at times the great desirableness of a place where a patient with a contagious disease could be well taken care of, and so isolated that he would not be a source of danger to others.

To provide such a place seems beset with many and great difficulties. To build and equip a hospital for such a purpose, with nurses and other necessary attendants, always in readiness to receive patients, is thought beyond the financial ability of all small towns. It would appear to be equally impracticable for a number of neighboring towns, to unite in providing such a hospital for common use, for that implies for many of the patients too long a distance for transportation.

Now let us clearly understand what is the real use of an Isolation Hospital. Is it, as many think, chiefly useful to care for patients in an epidemic of contagious disease? No. That is not its best or most important use. An Isolation Hospital serves its highest purpose as a preventive of epidemics. How? Simply by caring for the first case in a community. Contagious diseases only spread by contagion.

If the first case of any contagious disease is so guarded that others are not exposed to it, there can be no epidemic. But with every additional case which occurs, the difficulties of preventing still further contagion, are multiplied. Hence to prevent an epidemic it is only necessary to keep the first case from communicating the disease to others. That is the best work which an Isolation Hospital can do, viz: affording the place and means of taking proper care, in all respects, of the first case of any contagious disease which may appear in any village or town.

Hospitals are usually large buildings, imposing, costly structures. An Isolation Hospital need not be a large building. Any good common sized house, with two or three well ventilated rooms in the upper part, in a salubrious location, sufficiently remote from other houses to involve no danger to their occupants, affords all that is needful in the way of building. A little stock of ordinary medicines, and a good stock of approved disinfectants, an abundant supply of bed linen, towels, etc., and some special furniture and appliances, which any good medical man could suggest, are all that would be needed in the way of equipment.

To provide such a place of refuge for a person with a contagious disease, is not beyond the easy ability of any town in Connecticut.

In most towns, a house which would satisfactorily serve the purpose could be found, which could be bought or rented. Or better, select the site and build for the purpose specially. Next, find a reputable family of adult persons, of not more than two or three in number, one of whom shall be a man, all of good habits, steady and trustworthy people. Give them the rent of the house free. Contract with them to receive and nurse, under the direction of the physician, what patients the Board of Health may send them, at a stipulated price. In this way it is quite practicable for any town or village, to have a Hospital for contagious diseases at an inconsiderable cost, which would be saved to the people ten-fold, with every first case of contagious disease it cared for.

Above all things do not call it a "pest" house. Do not damn it with a name which will shock the sensibilities of those who may need to go to it. Call it a "Retreat," a "Temporary Home," or by any name which will not excite disagreeable associations.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, April 15, 1892.

# METEOROLOGICAL REPORT FOR THE MONTH OF MARCH, 1892.

U. S. WEATHER BUREAU, NEW HAVEN, CONN.

H. J. COX, OBSERVER.

DATE.	TEMPERATURE.						RELATIVE HUMIDITY.			WIND.				PRECIPITATION. Inches and Amount.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.	
	Baro- meters.	Daily Mean.	8 A. M.	8 P. M.	Daily Mean.	Range.	Minimum.	Maximum.	8 A. M.		8 P. M.		Daily Move- ment.		Max. Velo- city.	S. A. M.		P. M.
									Direction.	Vel. per h.	Direction.	Vel.						
1	29.96	31.	30.	94	97	95.5	4.	30.	34.	N E	38	N E	20	637	42	H'y Snow Cloudy	Cloudy	
2	30.16	22.	20.	75	87	81.0	4.	20.	24.	N E	27	N E	21	628	36	Cloudy	Cloudy	
3	29.91	26.	27.	42	49	60.5	4.	23.	33.	N	16	N	12	303	27	Cloudless	Cloudless	
4	29.80	27.	34.	53	32	42.5	18.	39.	41.	N	9	N	10	268	23	Cloudless	Cloudless	
5	29.72	29.	34.	63	60	61.5	14.	27.	34.	N W	7	N W	6	217	18	Cloudless	Cloudless	
6	29.77	31.	36.	76	54	60.0	13.	27.	30.	N W	8	N W	10	266	27	Light Snow Cloudy	Partly Cldy	
7	29.88	33.	43.	64	58	61.0	22.	40.	45.	N W	9	N W	17	179	18	Cloudless	Cloudless	
8	29.53	36.	38.	68	66	84.0	11.	28.	32.	N E	5	N E	16	190	19	Cloudy	Cloudy	
9	29.92	37.	41.	92	68	70.0	11.	35.	40.	N	7	N	7	164	15	Partly Cldy	Sprinkling	
10	29.60	35.	41.	96	79	88.5	17.	32.	38.	N	3	N	13	243	25	Cloudy	Sprinkling	
11	29.60	25.	27.	79	64	71.5	8.	33.	40.	S W	20	S W	15	581	39	Cloudless	Partly Cldy	
12	29.81	26.	38.	60	53	50.5	18.	30.	35.	N W	16	N W	13	345	33	Cloudless	Partly Cldy	
13	29.97	24.	20.	58	55	56.5	11.	22.	28.	N W	12	N W	25	249	24	Cloudless	Cloudless	
14	30.04	17.	22.	52	48	50.0	11.	15.	20.	N W	18	N W	19	354	28	Cloudless	Cloudless	
15	30.28	20.	27.	59	47	53.0	15.	20.	24.	N	12	N	23	259	23	Cloudless	Cloudless	
16	30.33	21.	22.	58	49	52	15.	16.	21.	N W	11	N W	9	138	11	Light Snow Cloudy	Partly Cldy	
17	30.25	17.	22.	60	52	55.0	17.	15.	20.	N E	11	N E	15	389	38	Light Rain Cloudy	Light Rain	
18	29.68	24.	32.	67	84	92.0	8.	34.	41.	N E	21	N E	19	445	36	Cloudless	Cloudless	
19	29.60	25.	33.	67	63	65.0	12.	23.	28.	N W	23	N W	13	415	24	Cloudless	Cloudless	
20	30.02	28.	29.	49	50	51.0	10.	25.	30.	N	28	N	15	264	33	Cloudless	Cloudless	
21	30.39	21.	27.	49	51	50.0	18.	35.	40.	N W	6	N W	12	137	12	Cloudy	Partly Cldy	
22	30.42	23.	32.	60	61	66.5	23.	30.	35.	S	7	S	12	170	12	Foggy	Cloudy	
23	30.95	40.	42.	97	100	95.5	14.	31.	36.	W	7	W	6	170	15	Partly Cldy	Cloudless	
24	30.11	36.	39.	42	38.	45.	31.	45.	51.	W	7	W	3	138	15	Partly Cldy	Cloudless	
25	30.05	39.	40.	57	83	76.0	31.	44.	50.	N	8	N	3	112	12	Cloudless	Partly Cldy	
26	29.88	41.	43.	76	70	62	20.	32.	38.	N E	13	N E	21	291	23	Sprinkling	Cloudy	
27	29.51	38.	39.	63	60	60.5	9.	36.	41.	N	10	N	13	288	22	Cloudless	Cloudless	
28	29.54	39.	42.	63	52	54.0	33.	33.	38.	N W	12	N W	12	336	28	Cloudless	Cloudless	
29	30.05	39.	39.	41.	49.	53.0	16.	45.	53.	N W	10	N W	16	190	17	Cloudless	Cloudless	
30	30.25	38.	43.	40.	50.	52.5	30.	30.	35.	N W	11	N W	12	190	18	Cloudless	Cloudless	
31	30.37	36.	42.	40.	50.	52.5	30.	30.	35.	N E	7	N E	7	157	17	Cloudless	Cloudless	
Month's	29.94	30.1	34.6	65.8	63.7	64.8	14.3	25.6	40.0	N & W	12.2	W & N W	10.3	280.2	23.7	Total	3.07	

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL. (Inches and tenths.)
Monthly Mean, 29.942 inches. Highest, 32 deg.; Date, 28th. Lowest, 15; Date, 21st. Absolute range, 37 degrees. Greatest daily range, 23 deg.; Date, 22d. Least daily range, 4 deg.; Date, 1st. Mean daily range, 14.3 degrees. Total excess since Jan. 1 = 53	Prevailing direction, W. Mean hourly velocity, 11.7. Max. hourly velocity and direction, 42 miles N. E. Date, 1st. Total monthly movement, 5,687 miles.	Total number of days on which precipitation occurred, 16. *Greatest 24 hour precipitation, 1.0 in. and tenths, 1.0; Dates, 8, 9; Total monthly precipitation (in. and tenths), 3.99 Total depth of snow fall (inches and tenths), 13.1 inches. Date of Thun. Storms, 8th. Total deficiency of precipitation since Jan. 1 = 3.36 in.	1873--33.1 deg. 1874--34.1 1875--31.8 1876--35.3 1877--37.7 1878--43.4 1879--37.0 1880--36.3 1881--35.8 1882--36.9	1883--29.9 deg. 1884--33.6 1885--26.9 1886--34.4 1887--31.3 1888--29.4 1889--38.7 1890--34.2 1891--35.1 1892--32.8	1873--4.01 1874--1.34 1875--3.24 1876--10.15 1877--8.09 1878--4.18 1879--5.82 1880--5.68 1881--10.42 1882--3.59

Monthly mean humidity, 64.8 per cent. Monthly mean dew point, 21.0. Number of cloudless days, 12. Number of partly cloudy days, 9. Number of cloudy days, 10. Dates of Solar Halos, 5, 13, 17, 22, 31. Dates of Lunar Halos, 5, 13, 17, 22, 31. Dates of Auroras, 6, 7, 15. Thermometers above the ground, 113 feet. Elevation of rain and snow gauges, 109 feet. † A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.





MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF APRIL, 1892.





# REMARKS.

In addition to the above report of mortality this office is in receipt of 27 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Avon, Bridgeport, Brooklyn, Cheshire, Coventry, East Haddam, East Windsor, Greenwich, Griswold, Guilford, Haddam, Hartford, Mansfield, Middlebury, New Hartford, Newtown, Norwalk, Orange, Plymouth, Rocky Hill, Stafford, Suffield, Westport, Wethersfield, Windsor Locks, Winchester—27.

The mortality report for April has been received from every town in Connecticut.

There were 1132 deaths reported in the State during the month. This was 172 less than in March; it was 128 less than in April, 1891, and 23 more than the average number of deaths in April for the five years preceding the present.

The number of deaths in the first four months of this year compared with the same of each of the five years preceding was as follows:

	1892	1891	1890	1889	1888	1887
January,	1953	989	1648	892	1015	918
February,	1276	948	1089	922	1097	858
March,	1304	1128	1097	1049	1170	1043
1st quarter,	4533	3065	3834	2863	3282	2819
April,	1132	1260	1087	1073	1116	1011

The death-rate was 18.5 for the large towns; for the small towns 17.4, and 18.2 for the whole State.

The deaths from Zymotic diseases were 150, being 13.2 per cent. of the total mortality against 14.7 per cent. in March.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**La Grippe**—Avon, Branford, Bridgeport, Brooklyn, Cromwell, Groton, Haddam, Hamden, Hartford, Stafford, Waterbury—13 deaths.

**Measles**—Bridgeport, Danbury, Greenwich, Middlebury, Newtown, Norwalk, Orange, Stratford, Suffield—3 deaths.

**Scarlet Fever**—Avon, Bethel, Bridgeport, Cheshire, Coventry, Danbury, East Haddam, East Windsor, Essex, Greenwich, Guilford, Hamden, Hartford, Huntington, Naugatuck, New Hartford, New Haven, Newtown, Norfolk, Norwalk, Orange, Plymouth, Stafford, Stonington, Suffield, Thomaston, Wallingford, Waterbury, Windham, Windsor Locks—40 deaths.

**Cerebro-Spinal Fever**—Bethel, Killingly, Middletown, Naugatuck, New Haven, Norfolk, Old Saybrook, Torrington—9 deaths.

**Diphtheria and Croup**—Ansonia, Avon, Bridgeport, Bristol, Coventry, East Windsor, Griswold, Haddam, Hartford, Killingly, Mansfield, Meriden, Middletown, New Britain, New Haven, Norwich, Orange, Plymouth, Portland, Stamford, Stratford, Thomaston, Tolland, Vernon, Waterbury, Winchester, Windham—31 deaths.

**Typhoid Fever**—Avon, Cromwell, East Haddam, Haddam, Hartford, Ledyard, New Haven, Newtown, Norwalk, Wallingford—13 deaths.

## ABOUT DISINFECTION.

Can anybody disinfest? Yes, in the same sense, that anybody can dress a wound, or put out a fire.

But if the wound is a serious and dangerous one, the skill and anatomical knowledge of the surgeon is needed. So anybody can throw a pail of water on a blaze just starting, and put it out, but if the house is well on fire the apparatus, practical skill and trained intelligence of the firemen are required to extinguish it. In like manner anybody can throw a bundle of soiled linen from a small-pox patient into a tub of disinfectant solution, or set on fire a few pounds of sulphur; but if the patient has been in the house some time sick so that the infection has permeated the atmosphere of the house, and the contents of the house is charged with it, there is the like necessity for the exercise of intelligence and trained experience to disinfect successfully, as in conflagrations or fractured limbs.

What is disinfection? It is the destruction of the infection. If there is no infection, there can be no dis-infection. The object of disinfection is to kill the germ which causes the disease. Success depends upon the effectual application of the germicides to *all* the germs, wherever they may be. I repeat the disinfectants must reach *all the germs*, or the attempt is a failure—those not brought in contact with the agents employed, maintain their vitality and renew the disease on fresh subjects. Partial disinfection is not disinfection. As well may a fire company extinguish the flames in one part of a house and leave another part burning.

No Health Officer does his whole duty who trusts any family in which there has been contagious disease to disinfect their own house. However intelligent they may be, however resolute in purpose to do it, and do it well, still not once in ten times will they do it thoroughly, merely because they *cannot* do it.

Try the experiment. If you are a merchant, set your cleverest clerk to some task entirely out of his usual line of thought and work; it may be something very simple requiring only ordinary intelligence and that rare quality, so erroneously called *common* sense, give him careful instructions how to do it, and nine times in ten he will fail at the first attempt.

It is a very easy, simple thing to ride a bicycle—when you have learned how.

I have never known an instance of a person disinfecting thoroughly his own house, unless under the personal supervision and direction of an expert during the process.

Every Health Officer ought to have one or more persons to do all the work of disinfection in his jurisdiction, and after some practice and experience they will learn how to do it, successfully.

The spread of contagion is due more to imperfect disinfection than to any other single thing.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, May 15, 1892.



# METEOROLOGICAL REPORT FOR THE MONTH OF APRIL, 1892.

U. S. WEATHER BUREAU, NEW HAVEN, CONN.

H. J. COX, OBSERVER.

DATE.	BARO-METER. Daily Mean.	TEMPERATURE.				RELATIVE HUMIDITY.			WIND.			Precipitation. Inches.	CHARACTER OF WEATHER.		CHARACTER OF THE DAY.
		8 A. M.	4 P. M.	Daily Mean.	Range.	8 A. M.	8 P. M.	Daily Mean.	Direction.	Velocity.	Daily Maximum.		W. S.	W. C.	
1	30.52	41.	53.	48.	27.	50.	67.	69.5	NW	3	156	0	Cloudless	Cloudless	Cloudless
2	30.21	48.	53.	48.	27.	50.	67.	69.5	S	7	156	0	Cloudless	Cloudless	Cloudless
3	30.21	48.	53.	48.	27.	50.	67.	69.5	SW	9	156	0	Cloudless	Cloudless	Cloudless
4	29.97	56.	67.	66.	43.	59.	77.	74.5	W	7	159	.01	Cloudy	Cloudy	Cloudy
5	29.81	53.	59.	62.	49.	73.	86.	80.0	NE	5	159	.05	Cloudy	Cloudy	Cloudy
6	29.80	44.	54.	62.	49.	73.	86.	80.0	SW	12	177	.01	Cloudy	Cloudy	Cloudy
7	29.80	45.	49.	62.	49.	73.	86.	80.0	NW	10	222	.01	Cloudy	Cloudy	Cloudy
8	29.62	45.	49.	62.	49.	73.	86.	80.0	SW	3	170	0	Partly Cloudy	Partly Cloudy	Partly Cloudy
9	29.70	38.	38.	38.	35.	38.	38.	38.	W	10	315	.15	Cloudy	Cloudy	Cloudy
10	29.70	38.	38.	38.	35.	38.	38.	38.	NW	14	351	0	Cloudless	Cloudless	Cloudless
11	29.70	38.	38.	38.	35.	38.	38.	38.	W	17	338	0	Cloudless	Cloudless	Cloudless
12	30.08	35.	35.	35.	28.	35.	50.	45.0	NW	12	270	0	Cloudless	Cloudless	Cloudless
13	30.08	35.	35.	35.	28.	35.	50.	45.0	NW	12	270	0	Cloudless	Cloudless	Cloudless
14	29.96	38.	36.	42.	33.	41.	51.	45.0	SE	9	293	0	Cloudless	Cloudless	Cloudless
15	29.95	33.	44.	41.	31.	41.	51.	45.0	SE	9	293	0	Cloudless	Cloudless	Cloudless
16	29.85	41.	41.	45.	33.	41.	51.	45.0	W	12	248	.08	Partly Cloudy	Partly Cloudy	Partly Cloudy
17	29.85	41.	41.	45.	33.	41.	51.	45.0	W	12	248	.08	Partly Cloudy	Partly Cloudy	Partly Cloudy
18	29.85	41.	41.	45.	33.	41.	51.	45.0	SE	5	180	0	Cloudless	Cloudless	Cloudless
19	30.24	45.	49.	45.	35.	45.	55.	50.5	SE	5	170	0	Cloudless	Cloudless	Cloudless
20	30.21	45.	49.	45.	35.	45.	55.	50.5	SE	5	170	0	Cloudless	Cloudless	Cloudless
21	30.21	45.	49.	45.	35.	45.	55.	50.5	SE	5	170	0	Cloudless	Cloudless	Cloudless
22	29.89	48.	48.	49.	40.	49.	58.	53.5	W	12	147	.04	Cloudy	Cloudy	Cloudy
23	29.88	53.	54.	50.	44.	50.	62.	56.0	W	5	121	.05	Cloudy	Cloudy	Cloudy
24	30.19	56.	48.	54.	44.	54.	62.	56.0	NW	6	102	.06	Cloudless	Cloudless	Cloudless
25	30.47	46.	48.	46.	34.	46.	56.	50.5	NW	12	205	0	Cloudless	Cloudless	Cloudless
26	30.37	46.	48.	46.	34.	46.	56.	50.5	NW	12	205	0	Cloudless	Cloudless	Cloudless
27	30.42	51.	47.	50.	40.	50.	61.	55.0	SW	1	101	0	Cloudless	Cloudless	Cloudless
28	30.09	47.	49.	47.	32.	47.	52.	47.0	SW	10	235	0	Cloudy	Cloudy	Cloudy
29	29.99	48.	48.	48.	35.	48.	54.	47.0	NW	9	239	0	Cloudy	Cloudy	Cloudy
30	30.30	45.	48.	46.	35.	46.	54.	47.0	NW	6	243	0	Cloudless	Cloudless	Cloudless
Month Ave.	30.04	45.3	47.1	47.0	37.7	50.3	72.9	70.8	N	8.5	211.9	1.31	Total		1.31

## SUMMARY.

BAROMETER.	TEMPERATURE.	WIND.	RAIN AND SNOW.	COMPAR. TEMP. (Mon. Mean.)	COM. RAINFALL- (Inches and tenths).
Monthly Mean, 30.040 inches.	Monthly Mean, 47.0 degrees.	Prevailing direction, W.	Total number of days on which precipitation occurred, 10.	1873--44.1 deg.	1873--44.2 deg.
Highest, 30.543 in.; Date, 1st.	Highest, 77 deg.; Date, 3d.	Mean hourly velocity, 8.8.	*Greatest 24 hour precipitation, 1.31.	1884--44.9 "	1884--44.9 "
Lowest, 29.593 in.; Date, 8th.	Lowest, 27 deg.; Date, 1st.	Max. hourly velocity and direction, 34 miles N. W. Date, 6th.	(in. and tenths), .49.	1885--43.2 "	1885--43.2 "
Monthly range, .952 in.	Greatest daily range, 34 deg.; Date, 3d.	Total monthly movement, 5,356 miles.	Total depth of snow fall (inches and tenths), 1.31	1886--48.3 "	1886--48.3 "
	Least daily range, 7 deg.; Date, 29th.		Total deficiency of precipitation since Jan. 1 = 5.81 in.	1887--44.4 "	1887--44.4 "
	Mean daily range, 18.6 degrees.			1888--41.0 "	1888--41.0 "
	Total excess since Jan. 1 = 67 degrees.			1889--48.6 "	1889--48.6 "
				1890--47.0 "	1890--47.0 "
				1891--48.6 "	1891--48.6 "
				1892--47.0 "	1892--47.0 "

Monthly mean humidity, 70.8 per cent. Monthly mean dew point, 56.6. Number of cloudless days, 11. Number of partly cloudy days, 12. Number of cloudy days, 7. Dates of Solar Halos 2, 4, 7, 15, 16, 18, 27, 29. Dates of Lunar Halos, 3. Dates of Auroras, 18, 23, 24, 27.

NOTES.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level temperature above the ground, 113 feet. Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "T" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.



MONTHLY BULLETIN

— OF THE —

CONNECTICUT

STATE BOARD OF HEALTH

FOR THE

MONTH OF MAY, 1892.



# ABSTRACT OF REPORTS OF MORTALITY

And its causes throughout the State, and specially in the Towns of more than 5,000 inhabitants, for the Month of May, 1892.

The Population stated below was given by the Eleventh Census. Total population of the State, 746,258.

TOWNS.	Census 1890.	Total Deaths.	Representative Annual Death Rate per 1,000.	Deaths under 5 Years.	Percentage of Deaths under 5 Years.	La Grippe.	Small Pox.	Measles.	Scarlet Fever.	Cerebro-Spinal Fever.	Diphtheria and Croup.	Whooping Cough.	Erysipelas.	Typhoid Fever.	Malarial Fever.	Typho Malarial Fever.	Puerperal Fever.	Diarrhoea under 5.	Diarrhoea over 5.	Consumption.	Pneumonia.	Bronchitis.	Diseases of Nervous System.	Heart Disease.	Accidents and Violence.	All other Diseases.	Still Births.
Ansonia.....	10,342	12	13.9	3	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	---	2	---	9	---	3
Bridgeport.....	48,866	84	20.6	23	27.3	1	---	---	5	---	1	---	---	2	---	---	---	1	---	9	10	6	11	8	4	25	7
Bristol.....	7,382	6	9.7	1	16.6	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---
Danbury.....	19,473	40	24.6	19	47.5	2	---	---	4	---	7	---	---	---	---	---	---	---	---	1	1	1	3	2	1	13	3
Derby.....	5,669	4	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enfield.....	7,199	9	15.0	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Greenwich.....	10,131	9	10.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groton.....	5,539	7	15.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hartford.....	53,230	107	24.1	25	23.3	---	---	---	7	1	13	1	---	1	---	---	---	---	---	2	15	1	9	8	14	30	3
Killingly.....	7,027	5	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manchester.....	8,222	4	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middletown.....	25,423	38	17.1	10	40.3	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Middlebury.....	15,205	30	22.0	3	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nampanct.....	6,218	12	23.1	7	25.8	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Britain.....	19,607	26	18.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Hartford.....	86,045	141	18.9	35	24.8	---	---	---	1	6	2	5	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---
New London.....	13,757	25	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Newtown.....	27,743	37	19.0	11	37.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Norwich.....	23,846	38	19.2	10	27.0	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Punam.....	8,546	5	62.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Southington.....	5,301	5	10.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stamford.....	15,700	21	16.0	3	14.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stonington.....	7,184	13	21.7	1	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thompson.....	5,580	8	17.2	2	25.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Torrington.....	6,048	4	7.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernon.....	8,808	13	17.7	4	30.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wallingford.....	6,584	18	32.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Waterbury.....	33,202	53	19.1	18	33.9	---	---	---	7	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winchester.....	6,183	10	10.4	1	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Windham.....	10,032	20	23.9	1	5.0	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total of the 30 above towns.....	501,164	796	19.0	189	23.4	4	---	6	36	7	36	3	3	8	1	1	3	4	5	98	97	35	94	62	55	238	45
The 136 towns of less than 5,000 inhabitants.....	244,004	351	17.2	42	12.0	5	---	3	7	5	4	---	2	4	1	---	---	6	1	42	43	6	44	42	20	116	5
Total reported from 166 towns.....	745,168	1,147	18.4	231	20.1	9	---	9	43	12	40	3	5	12	2	1	3	10	6	140	140	41	138	104	75	354	50
Population of towns not reporting.....	1,090	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

The Mortality in Public Institutions of the State were: in Bridgeport, 5; in Hartford, 15; in Middletown, 14; and in New Haven, 18. Non-Residents in these are deducted from the total mortality of their respective towns in estimating the death rates of those towns.

The following towns are reported as having no deaths in May: Beacon Falls, Bolton, Chester, Eastford, Hampton, Harwinton, Lisbon, Madison, Marlborough, Middlebury, Prospect, Roxbury, Salem, Stratford, Tolland, Trumbull, Wolcott, Woodbridge—18.

The Registrars of the following towns have made no report for May: Morris, Scotland.



## REMARKS.

In addition to the above report of mortality this office is in receipt of 21 other reports from sanitary correspondents in various parts of the State, relating to the sickness prevailing in the places from which they are received.

The towns so reporting are: Ansonia, Bridgeport, Brookfield, Brooklyn, Coventry, East Haddam, East Windsor, Greenwich, Griswold, Guilford, New Britain, New Hartford, Norwalk, Orange, Ridgefield, Rocky Hill, Stamford, Suffield, Wethersfield, Westport, Windham—21.

The mortality report for May has been received from 166 towns in Connecticut.

There were 1147 deaths reported in the State during the month. This was 15 more than in April; it was 24 less than in May, 1891, and 151 more than the average number of deaths in May for the five years preceding the present.

The number of deaths in the first five months of this year compared with the same of each of the five years preceding was as follows:

	1892	1891	1890	1889	1888	1887
January,	1953	939	1648	892	1015	918
February,	1276	943	1039	922	1097	858
March,	1304	1128	1097	1049	1170	1043
1st quarter,	4533	3065	3834	2863	3282	2819
April,	1132	1260	1037	1073	1116	1011
May,	1147	1171	978	932	983	906

The death-rate was 19.0 for the large towns; for the small towns 17.2, and 18.4 for the whole State.

The deaths from Zymotic diseases were 155, being 13.5 per cent. of the total mortality against 13.2 per cent. in April.

The following infectious diseases were reported to this office as occurring in the towns mentioned:

**La Grippe**—Branford, Bridgeport, Danbury, Hebron, Plymouth, Ridgefield, Stamford, Washington, Windham, Woodstock—9 deaths.

**Measles**—Bridgeport, Brookfield, Chatham, Danbury, Goshen, Greenwich, Hamden, New Britain, New Haven, Orange, Ridgefield, Rocky Hill, Stamford, Thompson, Westport—9 deaths.

**Scarlet Fever**—Bloomfield, Bozrah, Bridgeport, Brookfield, Danbury, East Haddam, Essex, Guilford, Hartford, Meriden, Naugatuck, New Britain, New Haven, Norwalk, Norwich, Orange, Preston, Ridgefield, South Windsor, Stamford, Suffield, Wallingford, Waterbury—43 deaths.

**Cerebro-Spinal Fever**—Bristol, Brooklyn, Cheshire, East Lyme, Farmington, Hamden, Hartford, New Haven, Preston, Wallingford, Waterbury—12 deaths.

**Diphtheria and Croup**—Bridgeport, Chaplin, Coventry, Danbury, Enfield, Hartford, Huntington, Middletown, New Britain, New Haven, Norwalk, Salisbury, Stamford, Thompson, Torrington, Waterbury, Winchester, Windham—40 deaths.

**Typhoid Fever**—Bridgeport, East Windsor, Haddam, Hartford, Killingly, New Haven, Ridgefield, South Windsor, Wallingford, Waterbury, Windham—12 deaths.

### THE SUMMER OUTING.

The time has again arrived when the mandates of fashion, if not the need of rest and change demand that all who can, shall temporarily abandon their present occupations and residences and go somewhere.

To many it is a welcome opportunity for relief from overstrained mental or physical exertion. A still larger number obedient to their instincts like other sheep, go with the flock, and for no better reason than the propensity to follow their leaders.

Whatever the motive, which induces this domestic dislocation and migrating adventure, there is the common object, to preserve and promote the health. It becomes therefore a matter of prime importance that such health seekers should know that the "change of air" which they have determined upon shall not expose them to far greater perils to health and life than any they incurred at home.

The reckless alacrity and charitable cheerfulness with which they pay exorbitantly for poorly cooked food, diminutive and ill-ventilated lodging rooms and many other discomforts and the general indifference to unhygienic conditions, which may prevail, provided they are with the crowd, are all indicative that their gregarious propensities are not tempered with good judgment.

Only last summer, among the guests of one so-called health resort in Connecticut over twenty returned to their homes and were at once taken down with typhoid fever. The origin of the infection was subsequently traced to the water supply, which had been with criminal carelessness contaminated by the dejections of a fever patient among the employees of the hotel.

The victims of this exposure were residents of many different towns and some of them in other states.

Doubtless this is but one of many incidents of like kind. The frequent illness of summer tourists and sojourners in popular resorts, after their return home in the autumn, has been long observed. Many striking illustrations might be referred to of dangerous or fatal sickness, following the exposures in unsanitary hotels and summer boarding houses.

It is quite time that an intelligent traveling public should demand of those who assume the responsibility of their entertainment, some guarantee that the hostelries in which they are received shall be in such sanitary condition, and the supplies so wholesome as not to endanger the health of the guests.

In the near future two things will come to pass. Summer travelers will become inquisitive about the water supply, sewage disposal, etc., and the keepers of populous resorts will have frequent sanitary inspections of their premises by competent officers, and the sanitary condition thereof officially certified.

May such results be hastened.

C. A. LINDSLEY, M.D.,

Secretary of State Board of Health, and

Superintendent of Vital Statistics.

NEW HAVEN, June 15, 1892.

# METEOROLOGICAL REPORT FOR THE MONTH OF MAY, 1892.

U. S. WEATHER OFFICE, NEW HAVEN, CONN. H. J. COX, OBSERVER.

DATE.	TEMPERATURE.†				RELATIVE HUMIDITY.				WIND.			Max. Velocity.	PRECIPITATION.*		CHARACTER OF WEATHER.		CHARACTER OF DAY.
	Barometer.	Daily Mean.	8 A. M.	Daily Mean.	8 A. M.	Daily Mean.	8 A. M.	Direction.	Vel. in m. per h.	Direction.	Vel.		Am't in Inches.	Am't in Snow.	8 A. M.	2 P. M.	
1	29.24	46.	52.	48.	58.	39.	19.	Range.				221			Cloudy		Cloudy
2	29.88	52.	57.	50.	70.	48.	22.					111			Cloudy		Cloudy
3	30.09	55.	48.	55.	62.	48.	14.					239			Cloudy		Cloudy
4	30.03	47.	69.	59.	74.	44.	36.					220			Sprinkling		Partly Cldy
5	30.18	54.	56.	56.	66.	47.	19.					23			Cloudy		Partly Cldy
6	29.92	53.	56.	54.	58.	50.	8.					118			Sprinkling		Cloudless
7	29.57	52.	49.	54.	61.	47.	14.					308			Cloudless		Cloudless
8	30.08	48.	59.	53.	65.	41.	23.					24			Partly Cldy		Cloudless
9	30.20	56.	52.	58.	70.	47.	23.					298			Cloudless		Cloudless
10	30.13	59.	52.	55.	65.	40.	25.					15			Cloudless		Partly Cldy
11	29.98	51.	57.	55.	62.	48.	14.					11			Cloudy		Cloudy
12	29.82	57.	50.	59.	63.	54.	12.					10			Cloudy		Cloudy
13	30.24	51.	51.	51.	50.	53.	47.					10			Cloudy		Cloudy
14	30.36	49.	50.	50.	55.	48.	10.					12			Light Rain		Partly Cldy
15	30.59	53.	59.	54.	61.	48.	13.					27			Cloudless		Cloudless
16	30.77	60.	60.	63.	79.	56.	21.					202			Cloudless		Cloudless
17	30.41	60.	66.	63.	78.	51.	24.					8			Cloudless		Cloudless
18	29.99	61.	66.	60.	78.	25.	57.					20			Cloudy		Cloudy
19	29.92	55.	46.	50.	55.	50.	78.					371			Cloudy		Cloudy
20	29.94	45.	46.	46.	50.	43.	9.					23			Heavy Rain		Cloudy
21	29.95	44.	45.	44.	46.	41.	5.					250			Cloudy		Cloudy
22	29.79	45.	48.	47.	51.	40.	14.					285			Light Rain		Cloudy
23	29.58	48.	53.	51.	58.	41.	11.					21			Cloudy		Cloudy
24	29.82	53.	57.	56.	68.	43.	25.					209			Cloudy		Cloudy
25	29.87	58.	60.	60.	70.	43.	84.					214			Cloudless		Cloudless
26	29.75	56.	60.	64.	74.	55.	10.					8			Cloudless		Cloudless
27	29.56	56.	60.	60.	64.	74.	55.					12			Partly Cldy		Cloudy
28	29.90	59.	61.	58.	68.	49.	10.					17			Light Rain		Partly Cldy
29	30.04	61.	61.	58.	68.	45.	23.					17			Cloudless		Partly Cldy
30	30.10	60.	61.	64.	70.	58.	12.					11			Cloudless		Cloudy
31	30.21	60.	68.	67.	77.	57.	20.					113			Cloudless		Partly Cldy
Month's Average	29.98	54.0	56.1	55.9	64.5	47.7	16.8					176					

## SUMMARY.

BAROMETER.	TEMPERATURE.		WIND.		RAIN AND SNOW.		COMPAR. TEMP. (Mon. Mean.)		COM. RAINFALL. (Inches and foots.)
	Monthly Mean.	Daily Range.	Prevailing direction.	S. E.	Total number of days on which precipitation occurred.	Amount.	24 hour precipitation.	24 hour precipitation.	
Monthly Mean.	29.98 inches.		Prevalving direction, S. E.		16.		1873-56.7 deg.	1883-56.5 deg.	1873-6.27
Highest.	30.40 in.; Date, 1st.		Mean hourly velocity, 8.2.				1874-56.9 "	1884-56.9 "	1874-4.92
Lowest.	29.50 in.; Date, 27th.		Max. hourly velocity and direction, 28 miles E. Date, 10th.				1875-58.5 "	1885-54.9 "	1874-2.71
Monthly range.	.887 in.		Total monthly movement, 6,100 miles.				1876-58.9 "	1886-56.6 "	1876-3.12
							1877-59.3 "	1887-56.5 "	1877-2.14
							1878-59.0 "	1888-55.0 "	1878-3.75
							1879-61.0 "	1889-59.6 "	1879-3.22
							1880-64.0 "	1890-56.8 "	1880-1.24
							1881-58.0 "	1891-56.0 "	1881-3.89
							1882-51.4 "	1892-56.1 "	1882-5.05
									1892-5.11

Monthly mean humidity, 82.6 per cent. Monthly mean dew point, 49.4. Number of cloudless days, 8. Number of partly cloudy days, 6. Number of cloudy days, 17.  
 Dates of Solar Halos, 1, 10, 26, 29. Lunar Halos, none.  
 Notes.—Observations taken on the 75th Meridian time. † Barometer readings reduced to sea-level and temperature of 32. Elevation of thermometers above the ground, 113 feet.  
 Elevation of rain and snow gauges, 109 feet. ‡ A minus sign (—) prefixed to figures under this heading indicates temperature below zero. \* Snow is melted and resulting amount of water recorded. A "1" in rainfall column indicates precipitation too small to measure. † Humidity relative, saturation being 100.





